

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-13905

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Lone Tree Unit

8. Lease Name and Well No.

Lone Tree Federal C-22-9-17

9. API Well No.

43013-33934

10. Field and Pool, or Exploratory

Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 22, T9S R17E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface NW/NE 718' FNL 1795' FEL

At proposed prod. zone 25' FNL 2602' FEL

14. Distance in miles and direction from nearest town or post office\*

Approximatley 17.3 miles southeast of Myton, Utah

15. Distance from proposed\*

location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 25' f/ise, 2602' f/unit

16. No. of Acres in lease

1200.00

17. Spacing Unit dedicated to this well

20 Acres

18. Distance from proposed location\*

to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1474'

19. Proposed Depth

5600'

20. BLM/BIA Bond No. on file

WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5222' GL

22. Approximate date work will start\*

2 nd Quarter 2008

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Name (Printed/Typed)

Date

Mandie Crozier

3/7/08

Title

Regulatory Specialist

Approved by (Signature)

Name (Printed/Typed)

Date

BRADLEY G. HILL

03-24-08

Title

Officer ENVIRONMENTAL MANAGER

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

RECEIVED

MAR 14 2008

DIV. OF OIL, GAS & MINING

Surf

586265 X

4430453Y

40.021771

-109.989110

BHL

586017 X

4430664Y

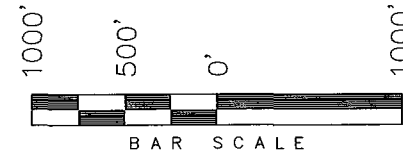
40.023698

-109.991985

**T9S, R17E, S.L.B.&M.**

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, LONE TREE C-22-9-17,  
LOCATED AS SHOWN IN THE NW 1/4 NE  
1/4 OF SECTION 22, T9S, R17E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



**Note:**

1. The bottom of hole footages are  
25' FNL & 2690' FWL.



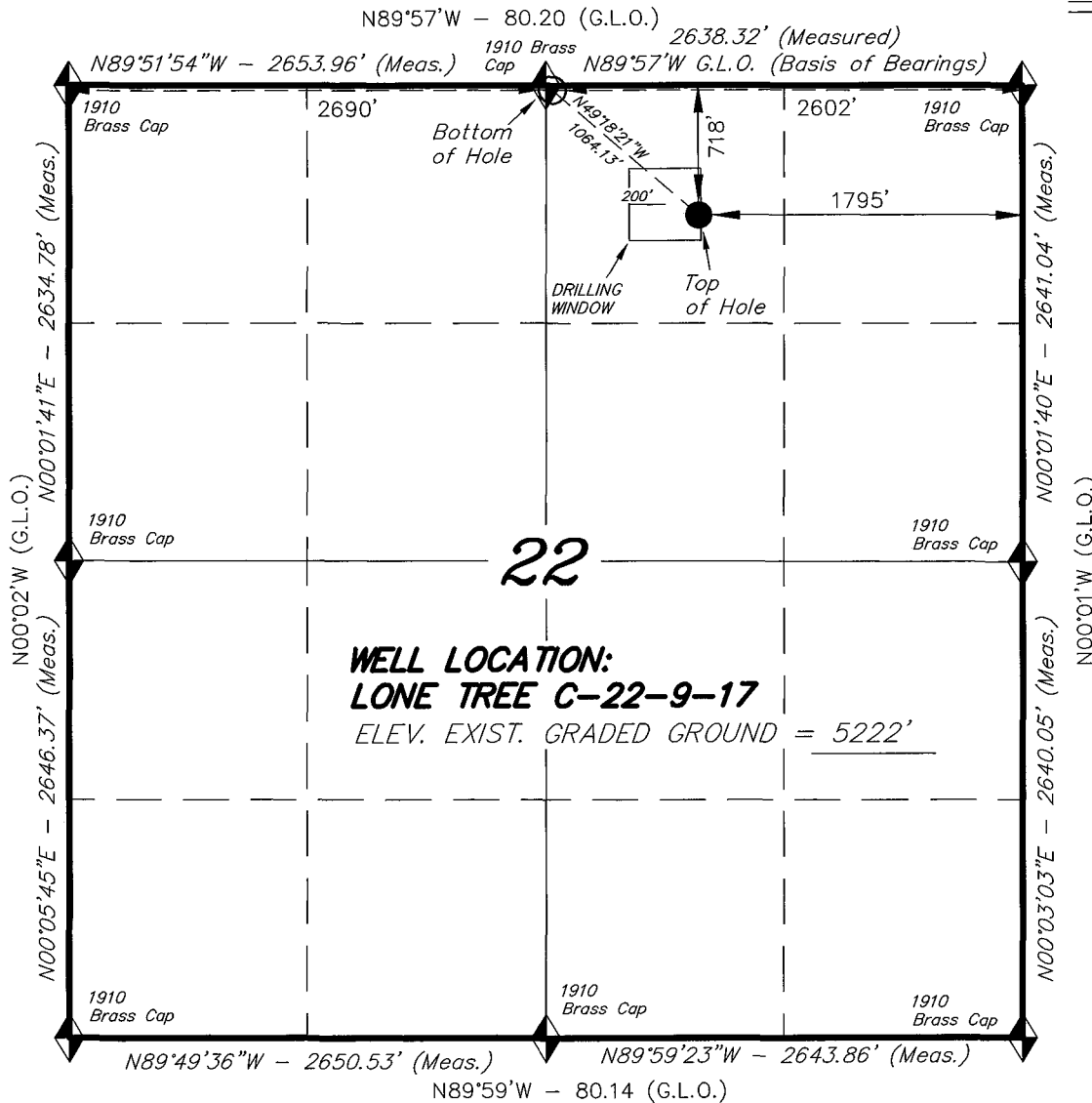
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

*Stacy W. Stewart*  
STACY W. STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 189377  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 12-19-07	SURVEYED BY: T.H.
DATE DRAWN: 12-26-07	DRAWN BY: F.T.M.
REVISED: 02-08-08 L.C.S.	SCALE: 1" = 1000'



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

**LONE TREE C-22-9-17  
(Surface Location) NAD 83  
LATITUDE = 40° 01' 18.15"  
LONGITUDE = 109° 59' 22.87"**

**NEWFIELD PRODUCTION COMPANY  
LONE TREE FEDERAL #C-22-9-17  
AT SURFACE: NW/NE SECTION 22, T9S, R17E  
DUCESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1134'
Green River	1134'
Wasatch	5600'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1134' – 5600' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
LONE TREE FEDERAL #C-22-9-17  
AT SURFACE: NW/NE SECTION 22, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Lone Tree Federal #C-22-9-17 located in the NW 1/4 NE 1/4 Section 22, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.6 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed in a southerly direction - 2.7 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly - 1.3 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly - 0.5 miles  $\pm$  to it's junction with the beginning of the access road to the existing South Pleasant Valley Federal 2-22-9-17 well location.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing South Pleasant Valley Federal 2-22-9-17 well pad. See attached **Topographic Map "B"**.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

The proposed well will be drilled directionally off of the South Pleasant Valley Federal 2-22-9-17 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Lone Tree Federal C-22-9-17. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District  
Water Right: 43-10136

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well

Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Lone Tree Federal C-22-9-17 will be drilled off of the existing South Pleasant Valley Federal 2-22-9-17 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

Newfield Production Company requests 210' of disturbed area be granted in Lease UTU-13905 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP. In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

The Archaeological Resource Survey and Paleontological Resource Survey for the 210' of proposed water injection pipeline will be forthcoming.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

None for the proposed Lone Tree Federal C-22-9-17.

### Reserve Pit Liner

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

### Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrell Tail	<i>Elymus Elymoides</i>	5 lbs/acre
Crested Wheatgrass	<i>Agropyron Cristatum</i>	5 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	0.5 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	0.5 lbs/acre
Forage Kochia	<i>Kochia Prostrata</i>	0.25 lbs/acre

### Details of the On-Site Inspection

The proposed Lone Tree Federal C-22-9-17 was on-sited on 1/15/08. The following were present; Dave Allred (Newfield Production), Kevan Stevens (Newfield Production ), Michael Cutler (Bureau of Land Management), and Brandon McDonald (Bureau of Land Management). Weather conditions were clear and ground covered by snow.

### LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

#### Representative

Name: Kevan Stevens  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

#### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #C-22-9-17 Section 22, Township 9S, Range 17E: Lease UTU-13905 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

3/7/08

Date



Mandie Crozier

Regulatory Specialist

Newfield Production Company



**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC  
Site: Lone Tree  
Well: Lone Tree C-22-9-17  
Wellbore: OH  
Design: Plan #1

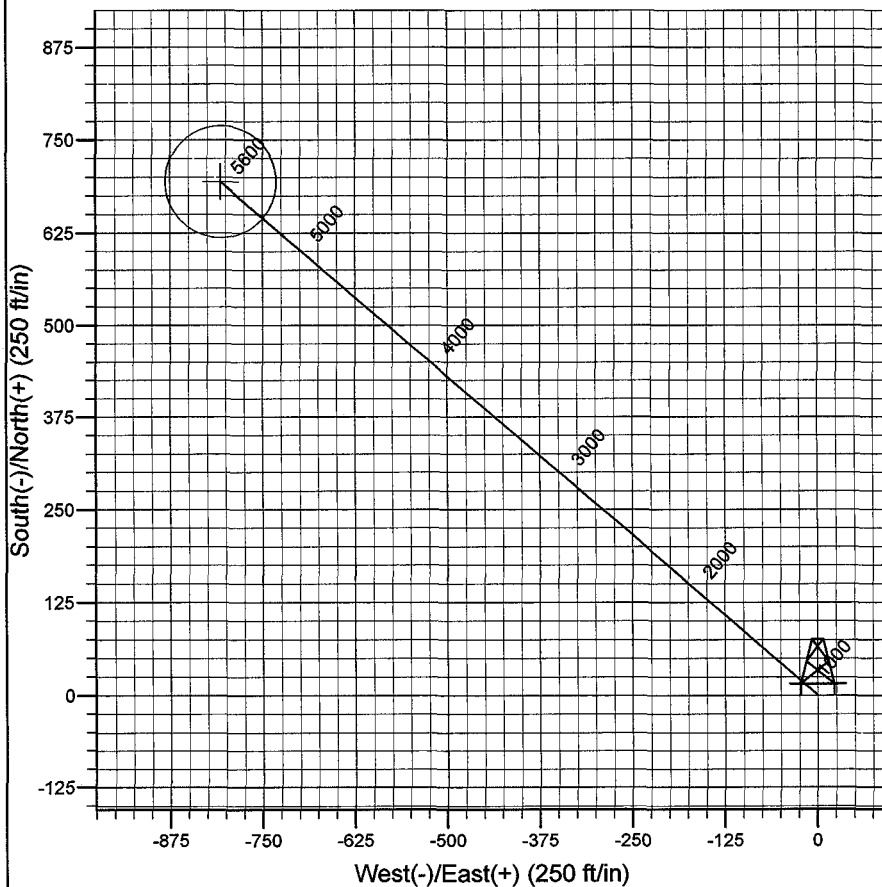
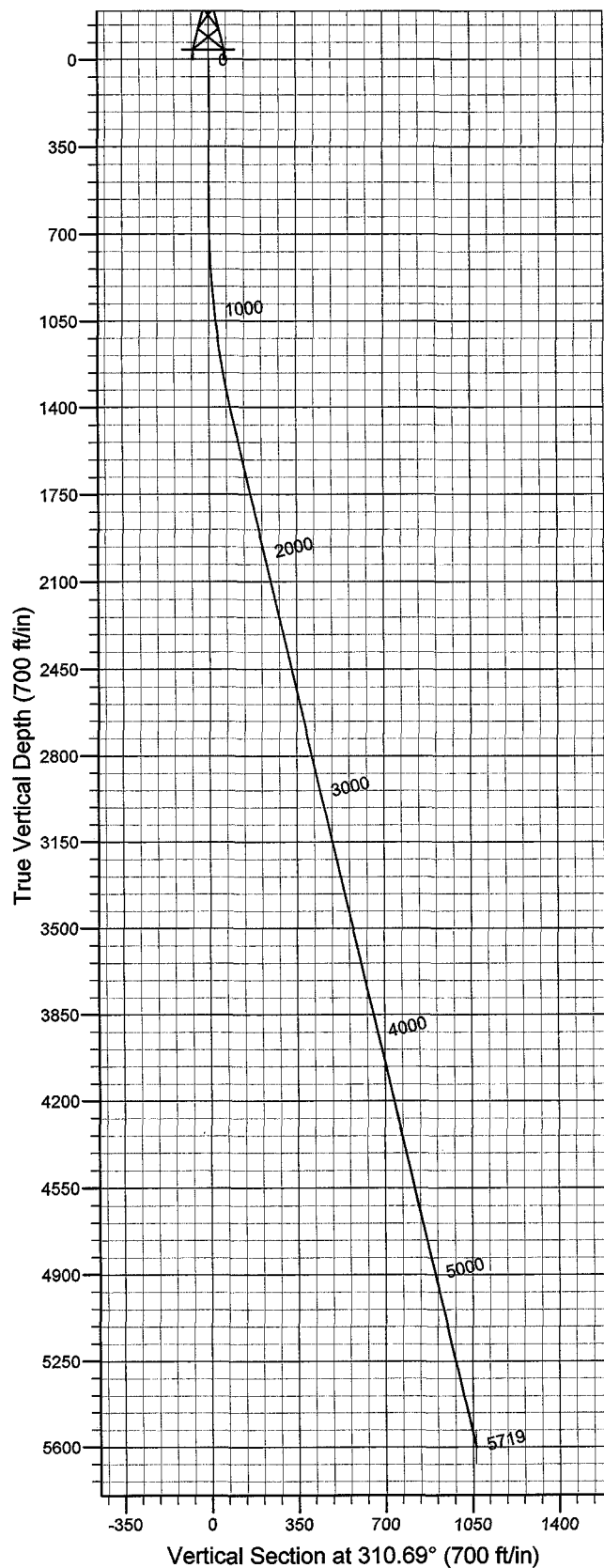


Azimuths to True North  
Magnetic North: 11.69°

Magnetic Field  
Strength: 52622.7snT  
Dip Angle: 65.88°  
Date: 2008-02-17  
Model: IGRF2005-10

WELL DETAILS: Lone Tree C-22-9-17

GL 5222' & RKB 12' @ 5234.00ft 5222.00  
+N/-S 0.00 +E/-W 0.00 Northing 7180216.20 Easting 2063360.20 Latitude 40° 1' 18.150 N Longitude 109° 59' 22.870 W



Plan: Plan #1 (Lone Tree C-22-9-17/OH)

Created By: Julie Cruse Date: 2008-02-17

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone  
Location:  
System Datum: Mean Sea Level  
Local North: True North

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
	31475.66	13.13	310.69	1468.01	65.15	-75.77	1.50	310.69	99.93	
	45718.66	13.13	310.69	5600.00	693.78	-806.87	0.00	0.00	1064.13	LT C-22-9-17 PBHL

# **Newfield Exploration Co.**

**Duchesne County, UT NAD83 UTC**

**Lone Tree**

**Lone Tree C-22-9-17**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**17 February, 2008**



# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Lone Tree  
**Well:** Lone Tree C-22-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Lone Tree C-22-9-17  
**TVD Reference:** GL 5222' & RKB 12' @ 5234.00ft  
**MD Reference:** GL 5222' & RKB 12' @ 5234.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Duchesne County, UT NAD83 UTC		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

Site		Lone Tree,			
Site Position:		Northing:	7,181,560.11 ft	Latitude:	40° 1' 31.690 N
From:	Lat/Long	Easting:	2,061,801.00 ft	Longitude:	109° 59' 42.620 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.96 °

Well	Lone Tree C-22-9-17, 718' FNL 1795' FEL Sec 22 T9S R17E					
Well Position	+N/-S	0.00 ft	Northing:	7,180,216.20 ft	Latitude:	40° 1' 18.150 N
	+E/-W	0.00 ft	Easting:	2,063,360.20 ft	Longitude:	109° 59' 22.870 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,222.00 ft

<b>Wellbore</b>	OH					
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>	
	IGRF2005-10	2008-02-17	11.69	65.88	52,623	

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	310.69

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,475.66	13.13	310.69	1,468.01	65.15	-75.77	1.50	1.50	0.00	310.69	
5,718.66	13.13	310.69	5,600.00	693.78	-806.87	0.00	0.00	0.00	0.00	LT C-22-9-17 PBHL

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Lone Tree  
**Well:** Lone Tree C-22-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Lone Tree C-22-9-17  
**TVD Reference:** GL 5222' & RKB 12' @ 5234.00ft  
**MD Reference:** GL 5222' & RKB 12' @ 5234.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	310.69	699.99	0.85	-0.99	1.31	1.50	1.50	0.00
800.00	3.00	310.69	799.91	3.41	-3.97	5.23	1.50	1.50	0.00
900.00	4.50	310.69	899.69	7.68	-8.93	11.77	1.50	1.50	0.00
1,000.00	6.00	310.69	999.27	13.64	-15.87	20.92	1.50	1.50	0.00
1,100.00	7.50	310.69	1,098.57	21.31	-24.78	32.68	1.50	1.50	0.00
1,200.00	9.00	310.69	1,197.54	30.66	-35.66	47.03	1.50	1.50	0.00
1,300.00	10.50	310.69	1,296.09	41.70	-48.50	63.96	1.50	1.50	0.00
1,400.00	12.00	310.69	1,394.16	54.42	-63.29	83.47	1.50	1.50	0.00
1,475.66	13.13	310.69	1,468.01	65.15	-75.77	99.93	1.50	1.50	0.00
1,500.00	13.13	310.69	1,491.71	68.76	-79.97	105.46	0.00	0.00	0.00
1,600.00	13.13	310.69	1,589.10	83.57	-97.20	128.19	0.00	0.00	0.00
1,700.00	13.13	310.69	1,686.48	98.39	-114.43	150.91	0.00	0.00	0.00
1,800.00	13.13	310.69	1,783.86	113.21	-131.66	173.64	0.00	0.00	0.00
1,900.00	13.13	310.69	1,881.25	128.02	-148.89	196.36	0.00	0.00	0.00
2,000.00	13.13	310.69	1,978.63	142.84	-166.12	219.09	0.00	0.00	0.00
2,100.00	13.13	310.69	2,076.02	157.65	-183.35	241.81	0.00	0.00	0.00
2,200.00	13.13	310.69	2,173.40	172.47	-200.58	264.53	0.00	0.00	0.00
2,300.00	13.13	310.69	2,270.78	187.28	-217.81	287.26	0.00	0.00	0.00
2,400.00	13.13	310.69	2,368.17	202.10	-235.04	309.98	0.00	0.00	0.00
2,500.00	13.13	310.69	2,465.55	216.91	-252.28	332.71	0.00	0.00	0.00
2,600.00	13.13	310.69	2,562.93	231.73	-269.51	355.43	0.00	0.00	0.00
2,700.00	13.13	310.69	2,660.32	246.55	-286.74	378.16	0.00	0.00	0.00
2,800.00	13.13	310.69	2,757.70	261.36	-303.97	400.88	0.00	0.00	0.00
2,900.00	13.13	310.69	2,855.09	276.18	-321.20	423.61	0.00	0.00	0.00
3,000.00	13.13	310.69	2,952.47	290.99	-338.43	446.33	0.00	0.00	0.00
3,100.00	13.13	310.69	3,049.85	305.81	-355.66	469.05	0.00	0.00	0.00
3,200.00	13.13	310.69	3,147.24	320.62	-372.89	491.78	0.00	0.00	0.00
3,300.00	13.13	310.69	3,244.62	335.44	-390.12	514.50	0.00	0.00	0.00
3,400.00	13.13	310.69	3,342.01	350.25	-407.35	537.23	0.00	0.00	0.00
3,500.00	13.13	310.69	3,439.39	365.07	-424.58	559.95	0.00	0.00	0.00
3,600.00	13.13	310.69	3,536.77	379.89	-441.81	582.68	0.00	0.00	0.00
3,700.00	13.13	310.69	3,634.16	394.70	-459.04	605.40	0.00	0.00	0.00
3,800.00	13.13	310.69	3,731.54	409.52	-476.28	628.13	0.00	0.00	0.00
3,900.00	13.13	310.69	3,828.92	424.33	-493.51	650.85	0.00	0.00	0.00
4,000.00	13.13	310.69	3,926.31	439.15	-510.74	673.57	0.00	0.00	0.00
4,100.00	13.13	310.69	4,023.69	453.96	-527.97	696.30	0.00	0.00	0.00
4,200.00	13.13	310.69	4,121.08	468.78	-545.20	719.02	0.00	0.00	0.00
4,300.00	13.13	310.69	4,218.46	483.59	-562.43	741.75	0.00	0.00	0.00
4,400.00	13.13	310.69	4,315.84	498.41	-579.66	764.47	0.00	0.00	0.00
4,500.00	13.13	310.69	4,413.23	513.23	-596.89	787.20	0.00	0.00	0.00
4,600.00	13.13	310.69	4,510.61	528.04	-614.12	809.92	0.00	0.00	0.00
4,700.00	13.13	310.69	4,607.99	542.86	-631.35	832.65	0.00	0.00	0.00
4,800.00	13.13	310.69	4,705.38	557.67	-648.58	855.37	0.00	0.00	0.00
4,900.00	13.13	310.69	4,802.76	572.49	-665.81	878.09	0.00	0.00	0.00
5,000.00	13.13	310.69	4,900.15	587.30	-683.04	900.82	0.00	0.00	0.00
5,100.00	13.13	310.69	4,997.53	602.12	-700.28	923.54	0.00	0.00	0.00
5,200.00	13.13	310.69	5,094.91	616.93	-717.51	946.27	0.00	0.00	0.00

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Lone Tree  
**Well:** Lone Tree C-22-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Lone Tree C-22-9-17  
**TVD Reference:** GL 5222' & RKB 12' @ 5234.00ft  
**MD Reference:** GL 5222' & RKB 12' @ 5234.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	13.13	310.69	5,192.30	631.75	-734.74	968.99	0.00	0.00	0.00
5,400.00	13.13	310.69	5,289.68	646.57	-751.97	991.72	0.00	0.00	0.00
5,500.00	13.13	310.69	5,387.06	661.38	-769.20	1,014.44	0.00	0.00	0.00
5,600.00	13.13	310.69	5,484.45	676.20	-786.43	1,037.17	0.00	0.00	0.00
5,700.00	13.13	310.69	5,581.83	691.01	-803.66	1,059.89	0.00	0.00	0.00
5,718.66	13.13	310.69	5,600.00	693.78	-806.87	1,064.13	0.00	0.00	0.00

### Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
LT C-22-9-17 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	5,600.00	693.78	-806.87	7,180,896.26	2,062,541.73	40° 1' 25.007 N	109° 59' 33.243 W

# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

LONE TREE C-22-9-17 (Proposed Well)

LONE TREE 2-22-9-17 (Existing Well)

Pad Location: NWNE Section 22, T9S, R17E, S.L.B.&M.



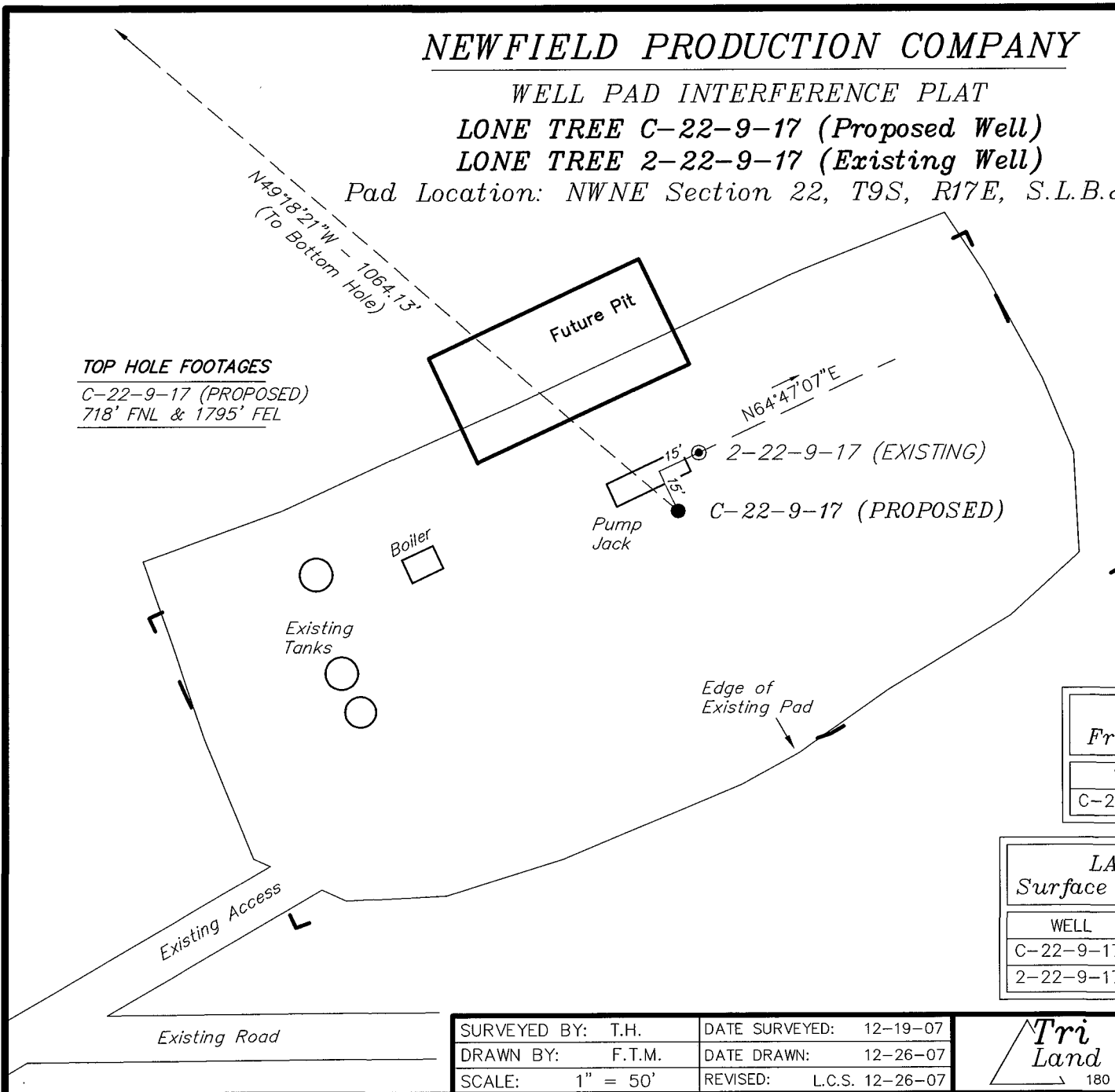
N49°18'21"W - 1064.13'  
(To Bottom Hole)

### TOP HOLE FOOTAGES

C-22-9-17 (PROPOSED)  
718' FNL & 1795' FEL

### BOTTOM HOLE FOOTAGES

C-22-9-17 (PROPOSED)  
25' FNL & 2690' FWL



### Note:

Bearings are based  
on GLO Information.

### RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
C-22-9-17	694'	-807'

### LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
C-22-9-17	40° 01' 18.15"	109° 59' 22.87"
2-22-9-17	40° 01' 18.35"	109° 59' 22.78"

SURVEYED BY: T.H.	DATE SURVEYED: 12-19-07
DRAWN BY: F.T.M.	DATE DRAWN: 12-26-07
SCALE: 1" = 50'	REVISED: L.C.S. 12-26-07

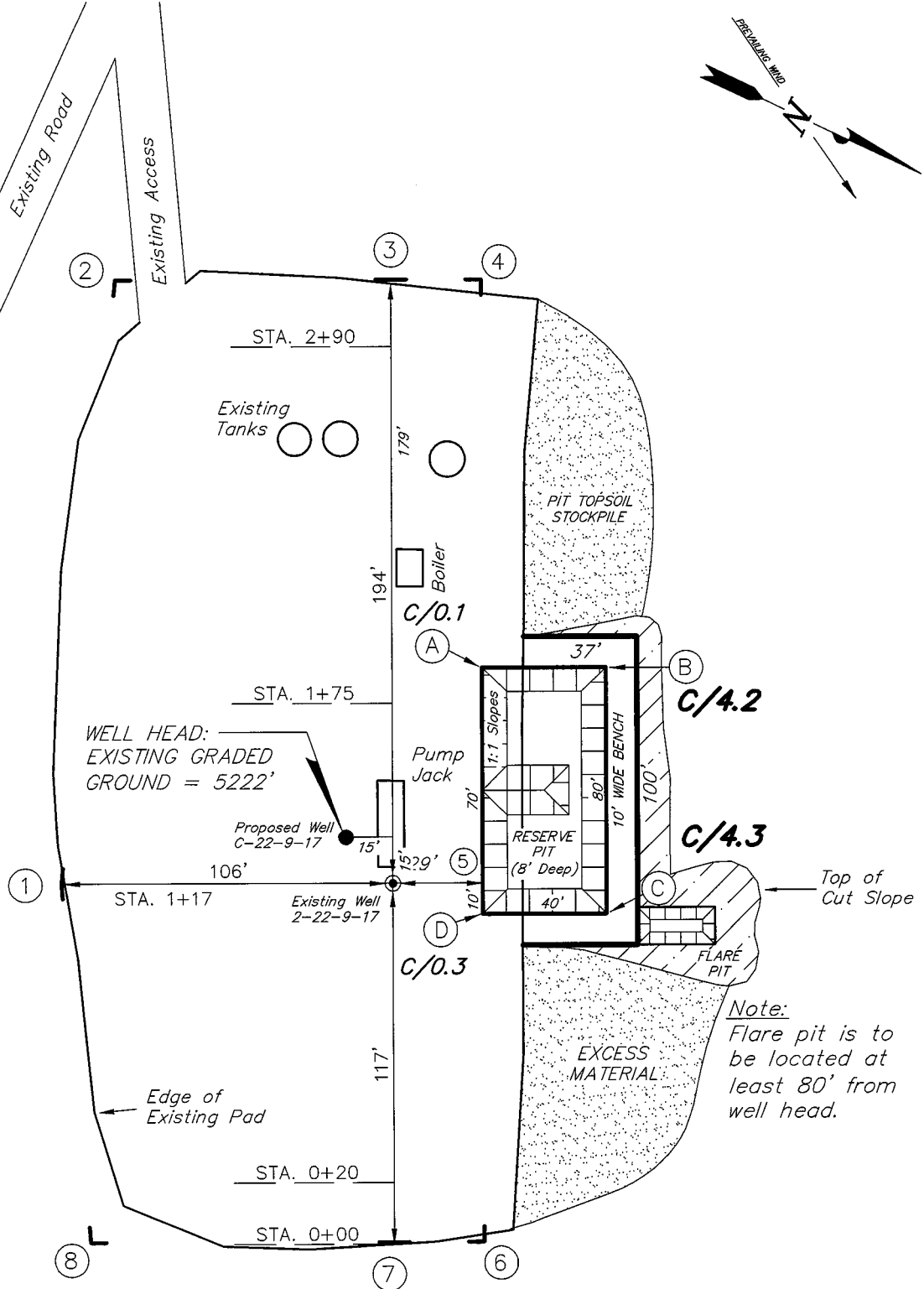
**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

LONE TREE C-22-9-17 (Proposed Well)

LONE TREE 2-22-9-17 (Existing Well)

Pad Location: NWNE Section 22, T9S, R17E, S.L.B.&M.



SURVEYED BY: T.H.	DATE SURVEYED: 12-19-07
DRAWN BY: F.T.M.	DATE DRAWN: 12-26-07
SCALE: 1" = 50'	REVISED:

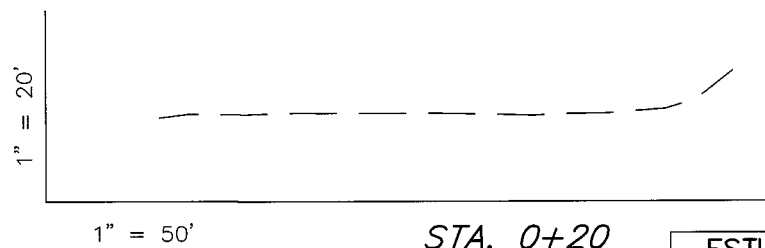
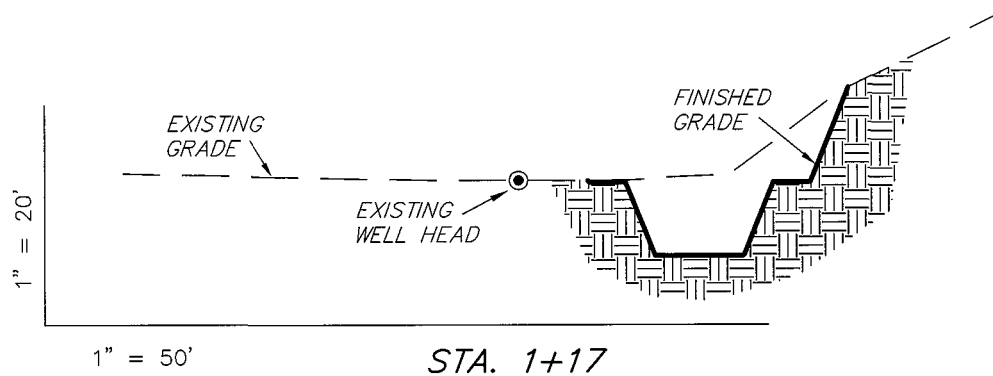
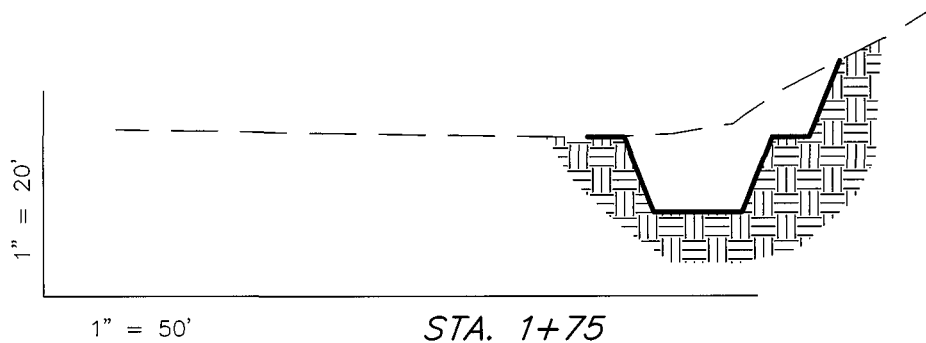
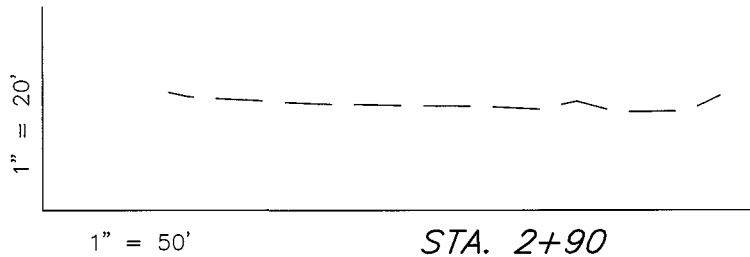
**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

LONE TREE C-22-9-17 (Proposed Well)

LONE TREE 2-22-9-17 (Existing Well)



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	780	0	Topsoil is not included in Pad Cut	780
PIT	640	0		640
TOTALS	1,420	0	150	1,420

SURVEYED BY: T.H.	DATE SURVEYED: 12-19-07
DRAWN BY: F.T.M.	DATE DRAWN: 12-26-07
SCALE: 1" = 50'	REVISED:

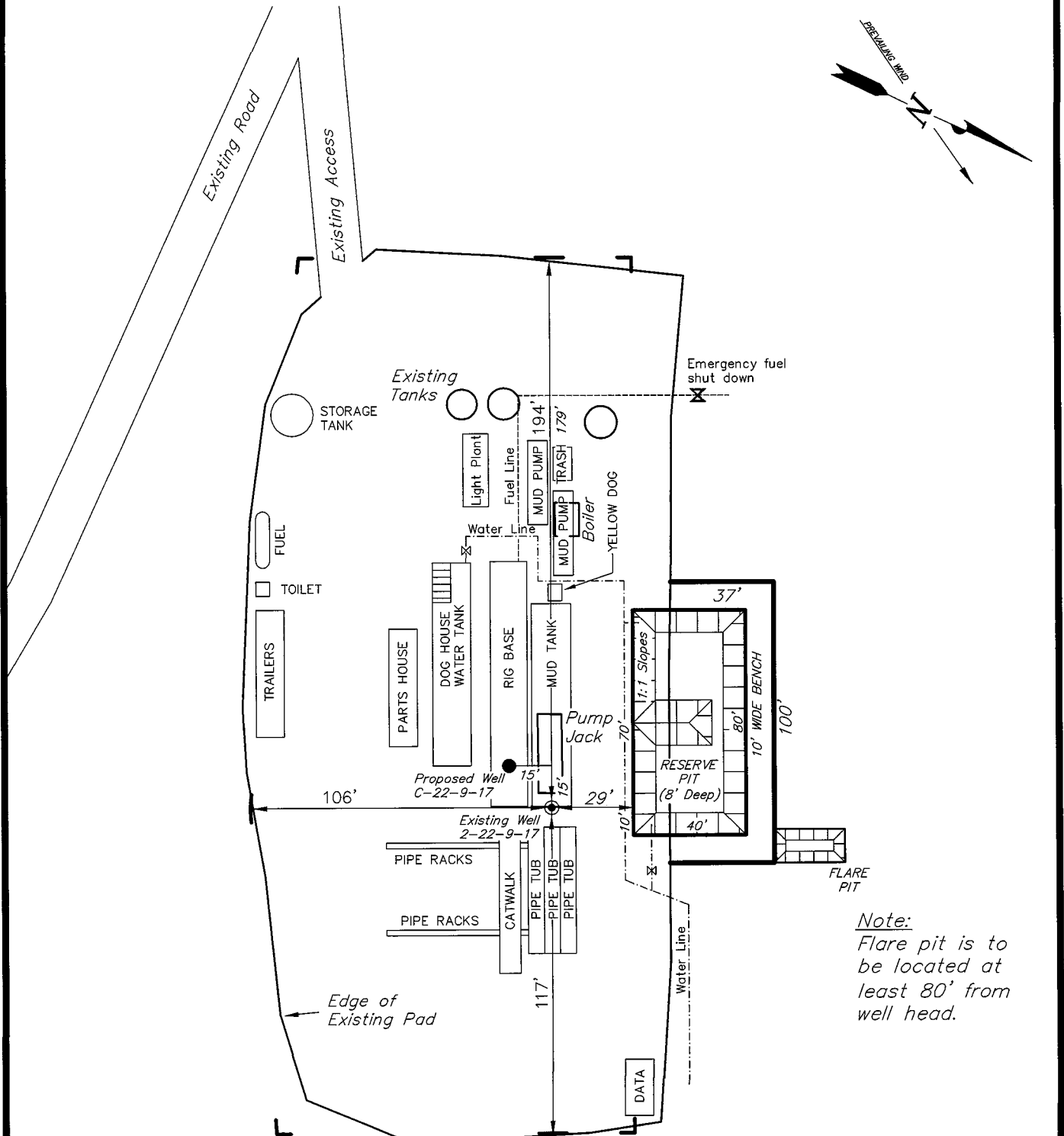
**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

LONE TREE C-22-9-17 (Proposed Well)

LONE TREE 2-22-9-17 (Existing Well)



Note:  
Flare pit is to be located at least 80' from well head.

SURVEYED BY: T.H.	DATE SURVEYED: 12-19-07
DRAWN BY: F.T.M.	DATE DRAWN: 12-26-07
SCALE: 1" = 50'	REVISED:

**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# Newfield Production Company

## Proposed Site Facility Diagram

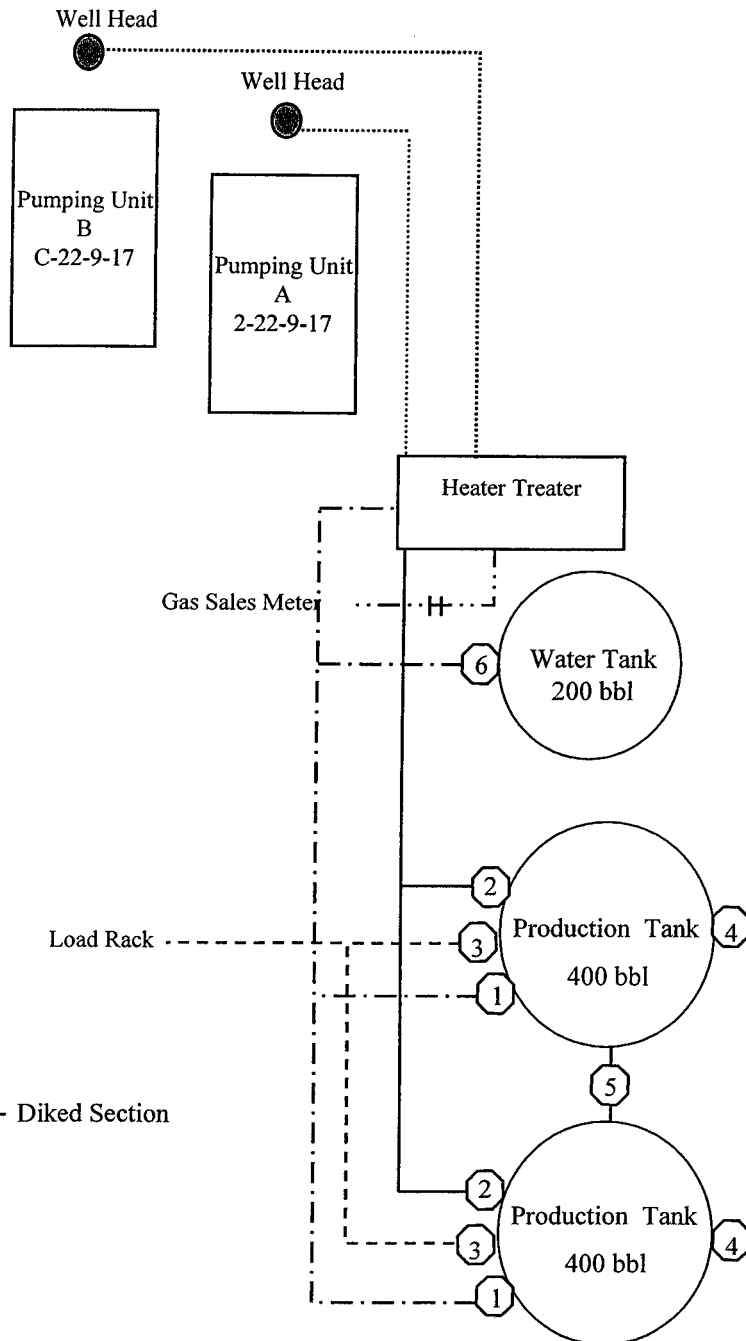
Lone Tree Federal C-22-9-17

From the 2-22-9-17 Location

NW/NE Sec. 22 T9S, R17E

Duchesne County, Utah

UTU-13905



Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

### Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

### Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

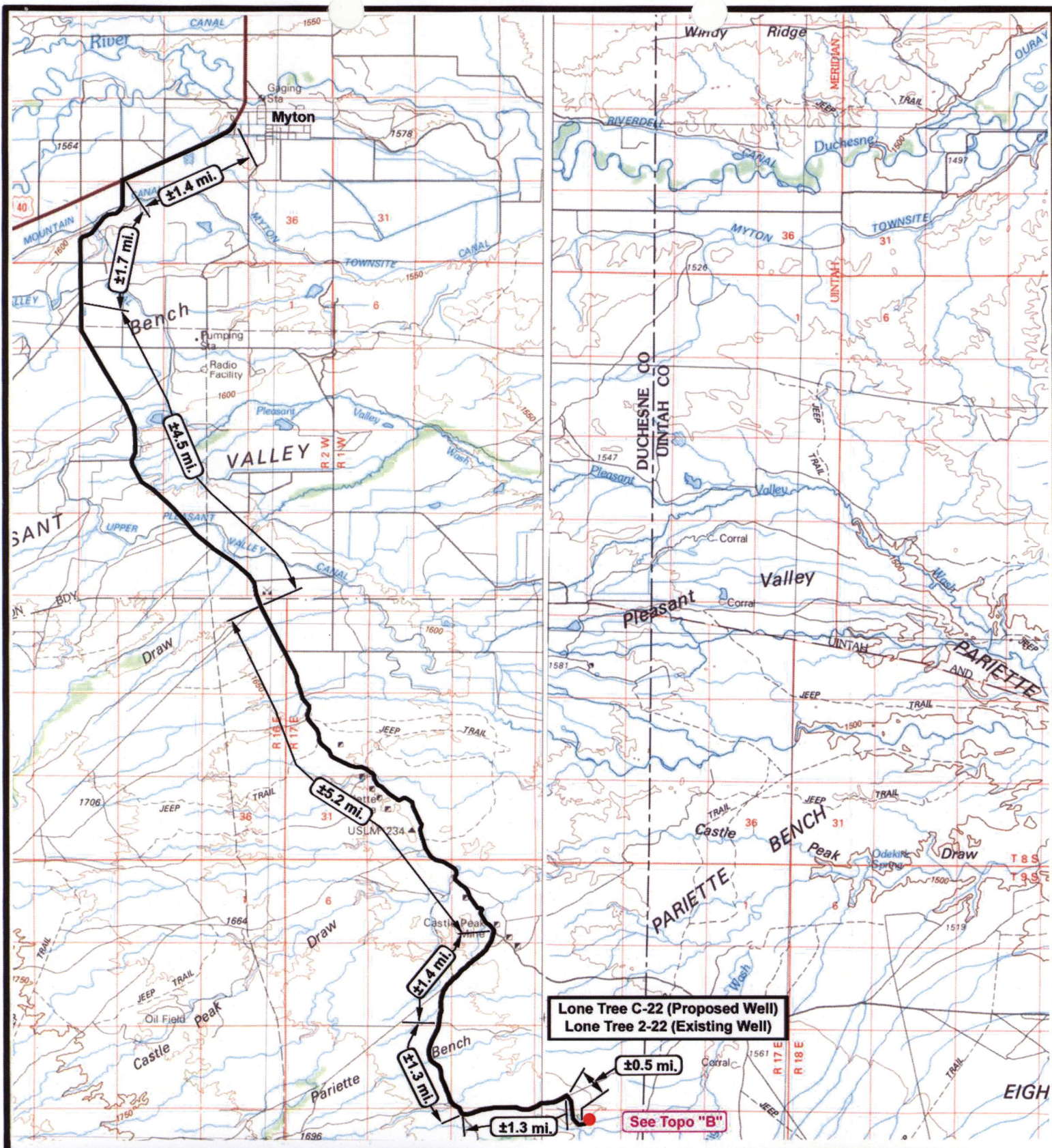
### Draining Phase:




- 1) Valves 1 and 6 open

### Legend

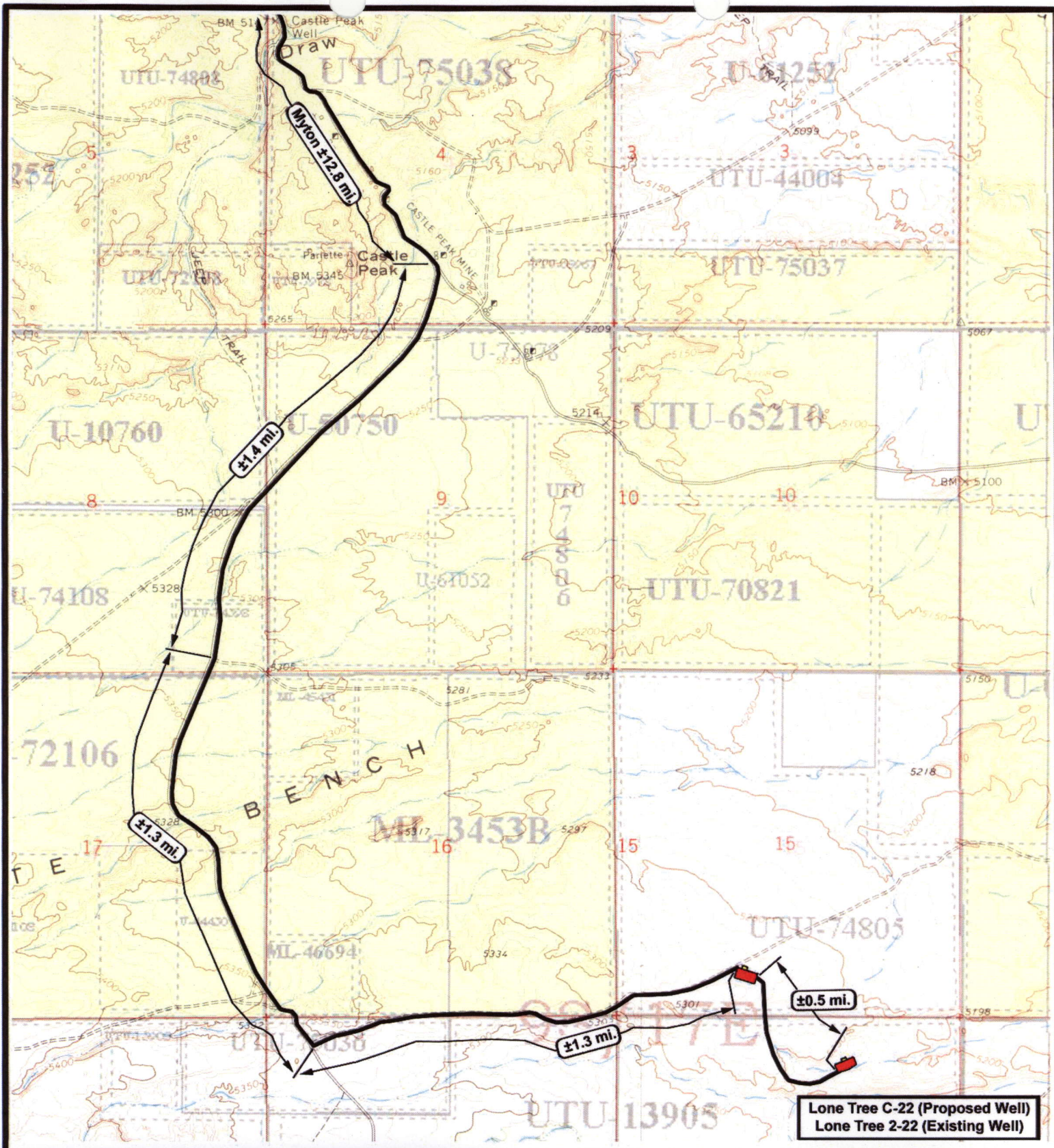
Emulsion Line	.....
Load Rack	-----
Water Line	-.-.-.-.-
Gas Sales	-.-.-.-.-
Oil Line	—————





 <p><b>NEWFIELD</b> Exploration Company</p> <p><b>Lone Tree C-22-9-17 (Proposed Well)</b> <b>Lone Tree 2-22-9-17 (Existing Well)</b> Pad Location NWNE SEC. 22, T9S, R17E, S.L.B.&amp;M.</p>		 <p><b>Tri-State</b> Land Surveying Inc. (435) 781-2501 180 North Vernal Ave. Vernal, Utah 84078</p> <p>SCALE: 1 = 100,000 DRAWN BY: mw DATE: 12-31-2007</p>	<p><b>Legend</b></p> <p>Existing Road Proposed Access</p> <p><b>TOPOGRAPHIC MAP</b></p> <p><b>"A"</b></p>
--	---	--	---





Lone Tree C-22 (Proposed Well)  
Lone Tree 2-22 (Existing Well)

**NEWFIELD**  
Exploration Company

**Lone Tree C-22-9-17 (Proposed Well)**  
**Lone Tree 2-22-9-17 (Existing Well)**  
Pad Location NWNE SEC. 22, T9S, R17E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 12-31-2007

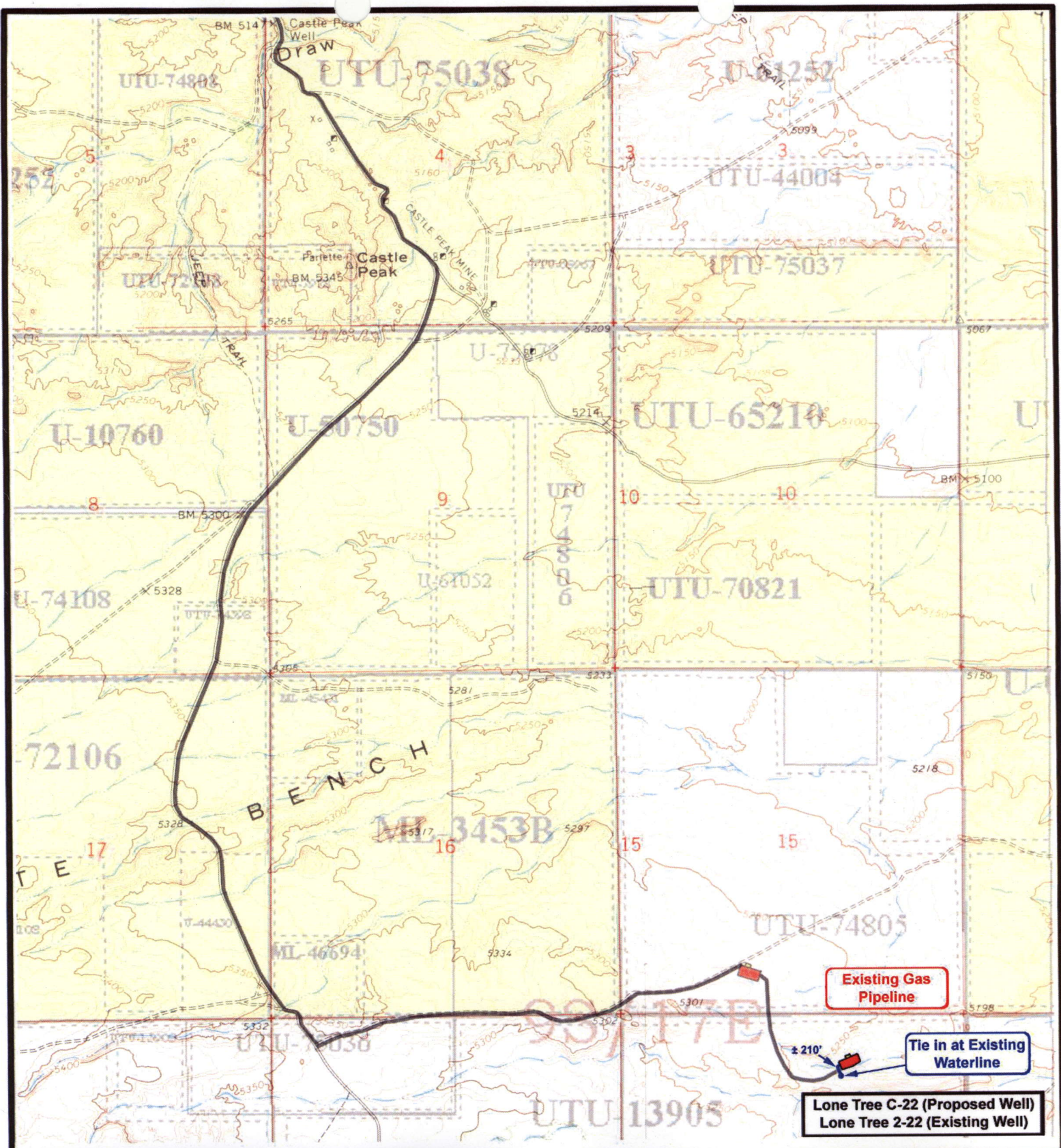
**Legend**

Existing Road

TOPOGRAPHIC MAP

**"B"**







**NEWFIELD**  
Exploration Company

**Lone Tree C-22-9-17 (Proposed Well)**  
**Lone Tree 2-22-9-17 (Existing Well)**  
 Pad Location NWNE SEC. 22, T9S, R17E, S.L.B.&M.







**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

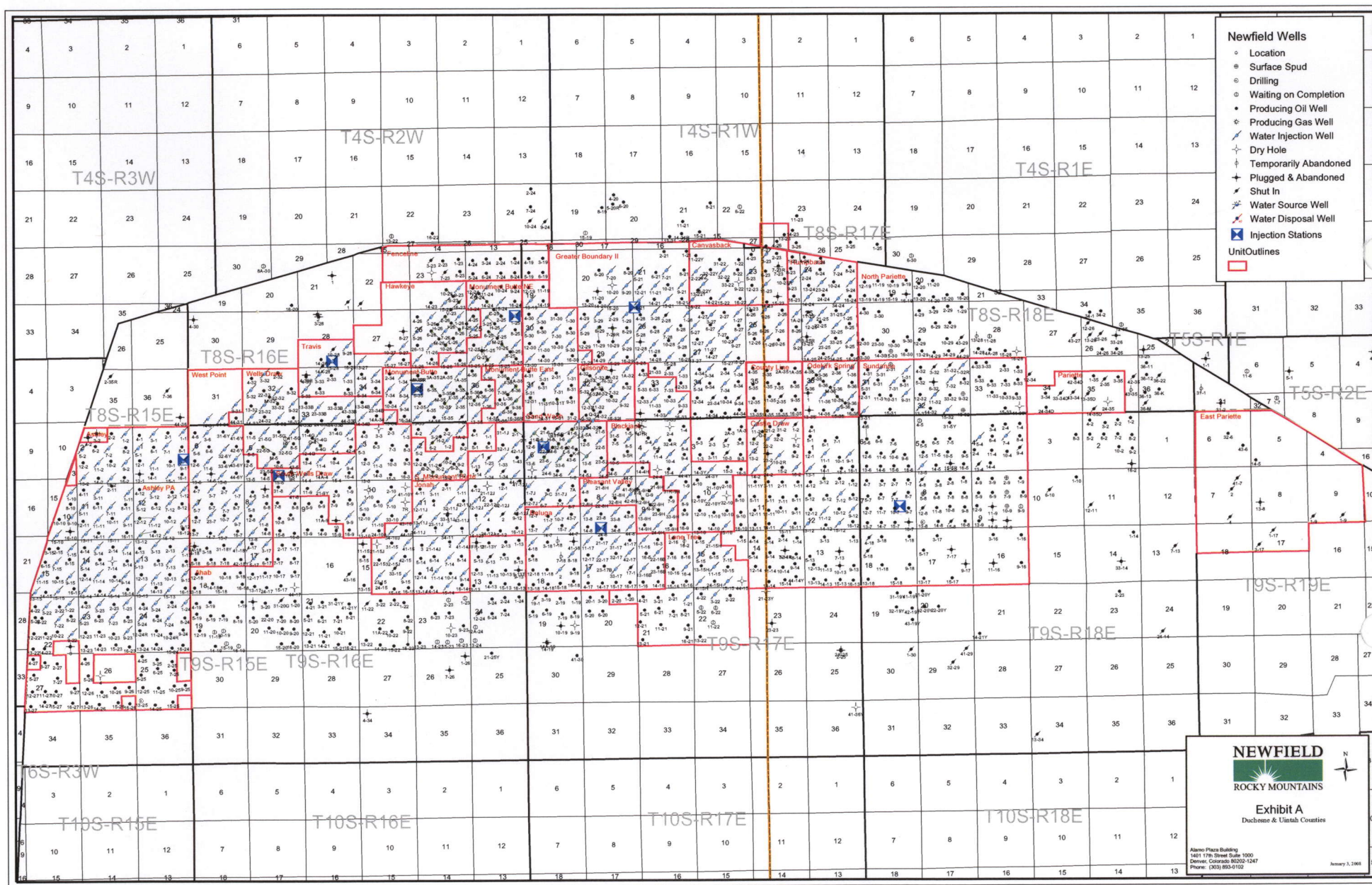
SCALE: 1" = 2,000'  
 DRAWN BY: mw  
 DATE: 12-31-2007

**Legend**

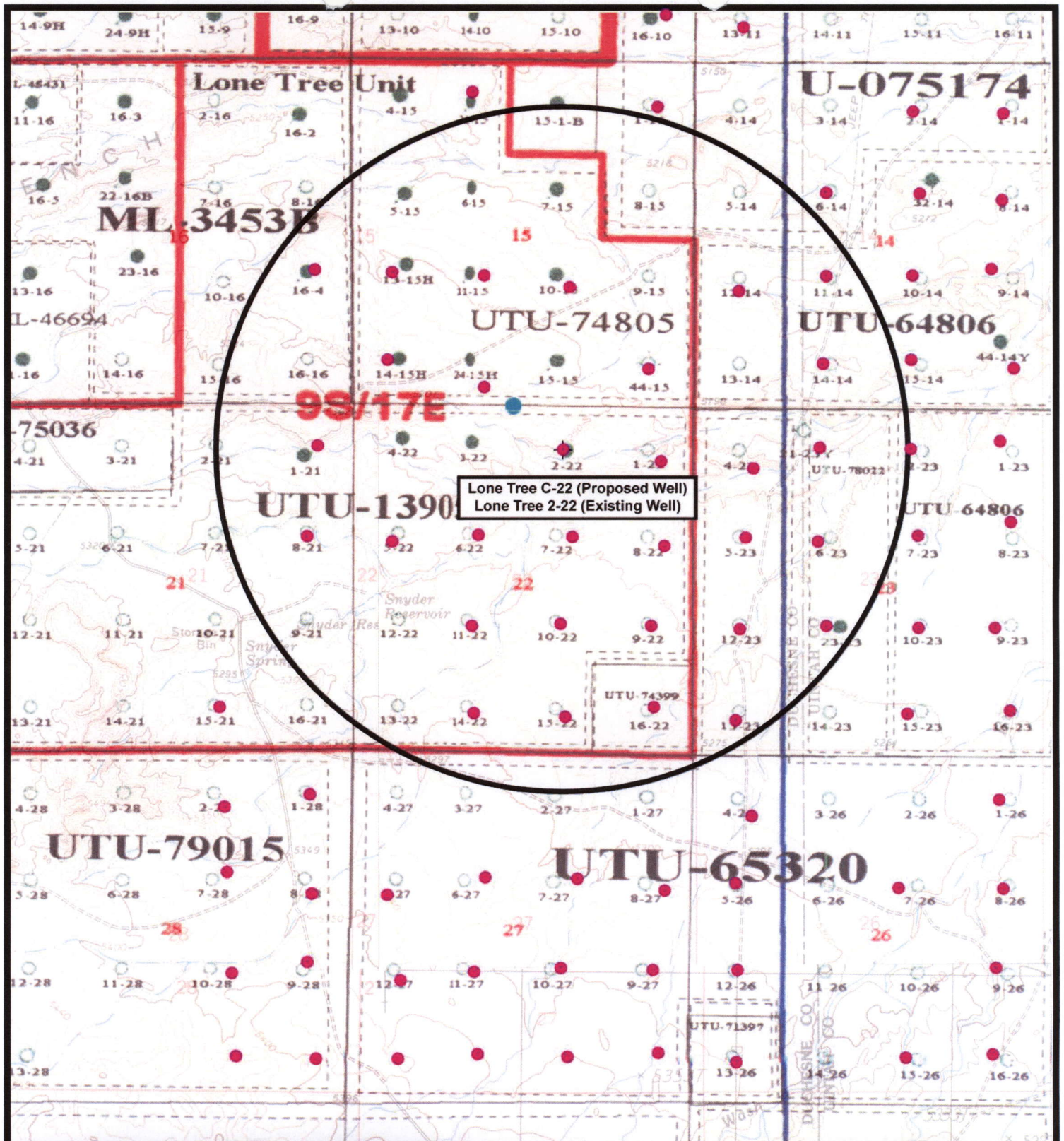
-  Roads
-  Proposed Water Line

TOPOGRAPHIC MAP  
"C"










Lone Tree C-22 (Proposed Well)  
Lone Tree 2-22 (Existing Well)



**NEWFIELD**  
Exploration Company

**Lone Tree C-22-9-17 (Proposed Well)**  
**Lone Tree 2-22-9-17 (Existing Well)**  
 Pad Location NWNE SEC. 22, T9S, R17E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: mw  
 DATE: 03-07-2008

**Legend**

- Pad Location
- Bottom Hole Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

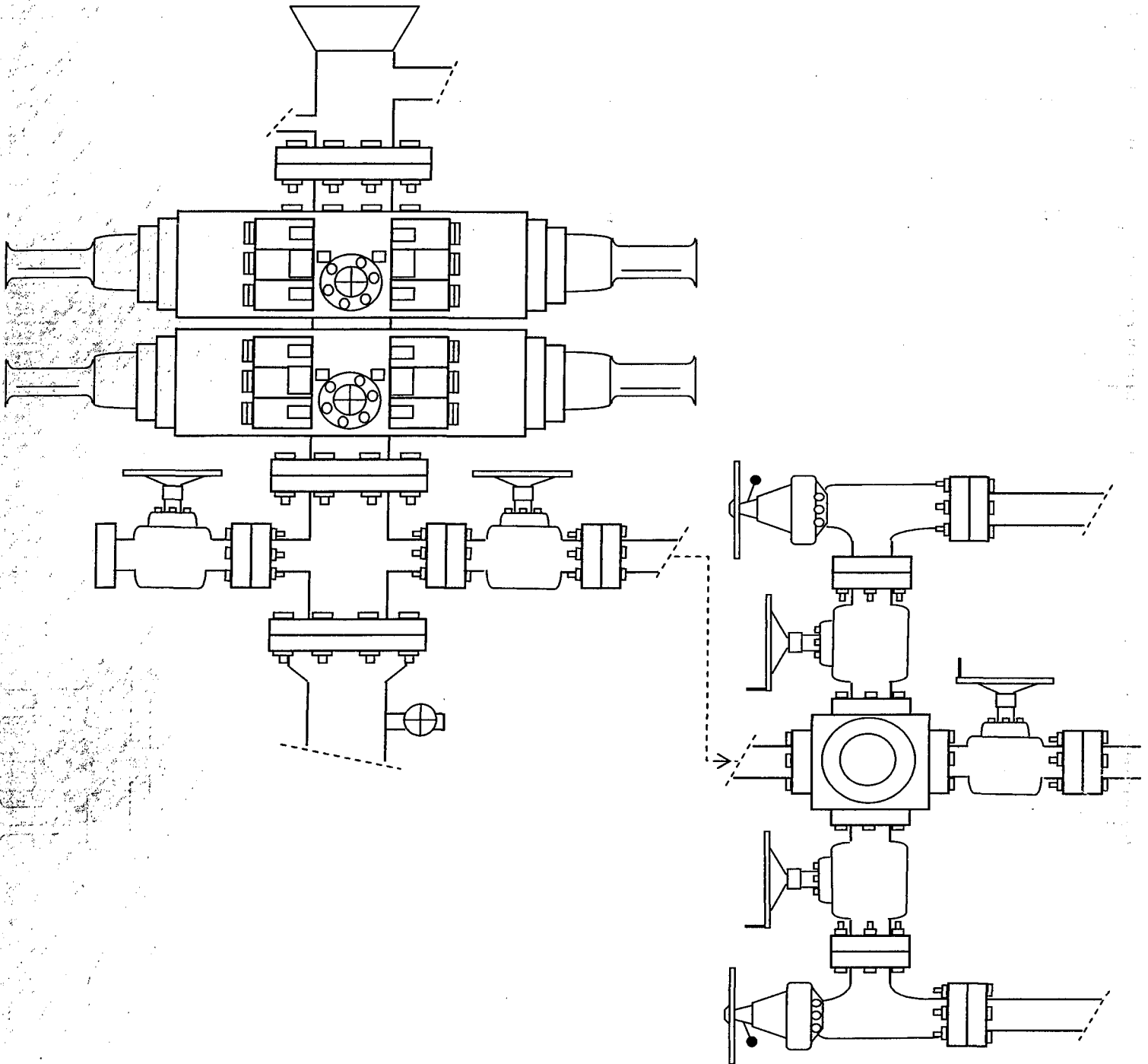


EXHIBIT C

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/14/2008

API NO. ASSIGNED: 43-013-33934

WELL NAME: LONE TREE FED C-22-9-17

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

NWNE 22 090S 170E

SURFACE: 0718 FNL 1795 FEL

BOTTOM: 0025 FNL 2602 FEL

COUNTY: DUCHESNE

LATITUDE: 40.02177 LONGITUDE: -109.9891

UTM SURF EASTINGS: 586265 NORTHINGS: 4430453

FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-13905

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000493 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-10136 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

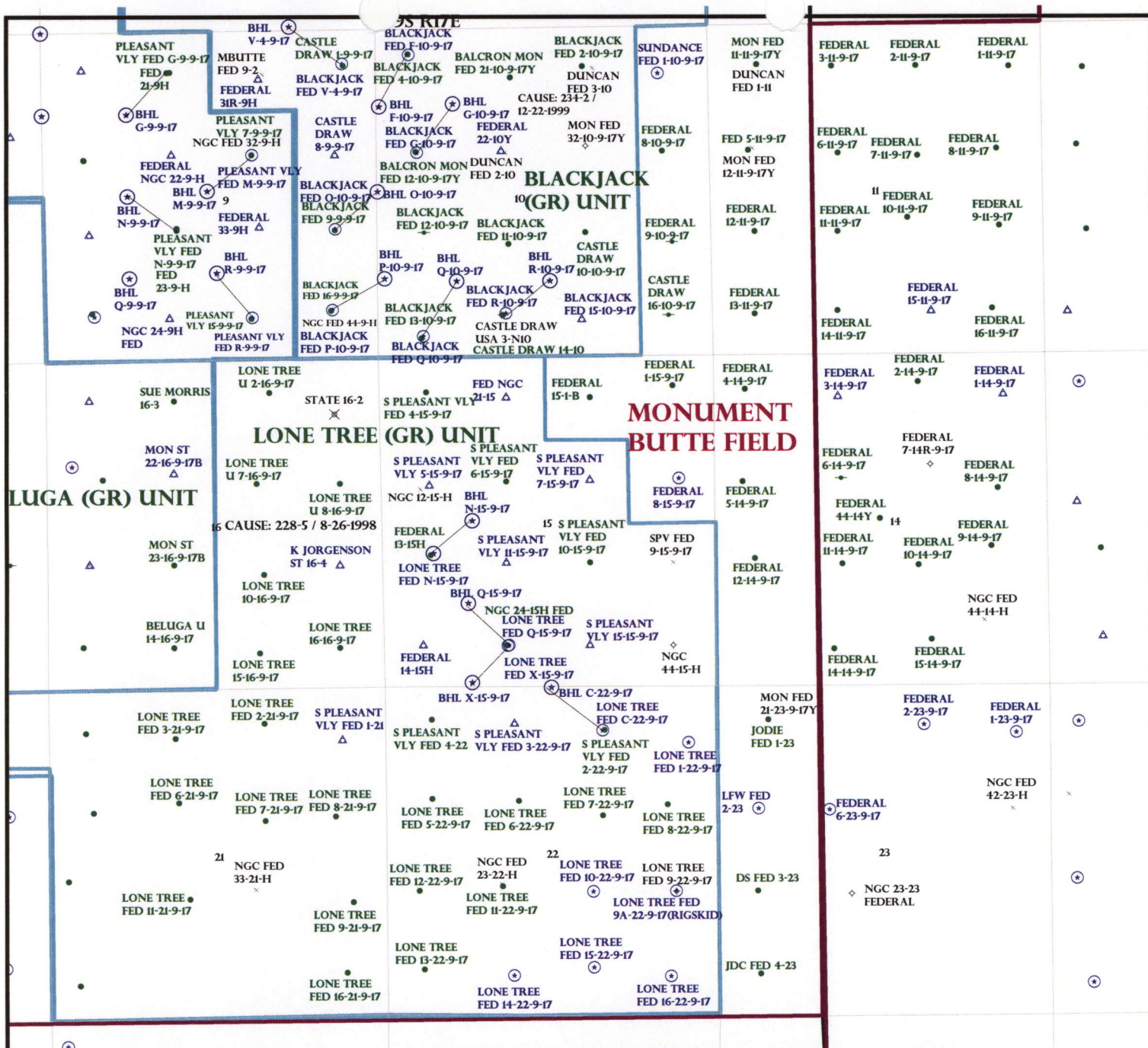
LOCATION AND SITING:

☐ R649-2-3.  
Unit: LONE TREE (GRRV)  
☐ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
☐ R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 228.5  
Eff Date: 8-26-1998  
Siting: Suspends General Siting  
☒ R649-3-11. Directional Drill

COMMENTS: Sep. Separate File

STIPULATIONS: 1- Federal Approved





OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 15,22 T.9S R.17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 228-5 / 8-26-1998



OIL, GAS & MINING



PREPARED BY: DIANA MASON  
DATE: 18-MARCH-2008





March 12, 2008

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**Lone Tree Federal C-22-9-17**  
Lone Tree Unit  
UTU-77236X  
Surface Hole: T9S R17E, Section 22: NW/4NE/4  
718' FNL 1795' FEL  
Bottom Hole: T9S R17E, Section 22  
25' FNL 2602' FEL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated March 7, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Lone Tree Federal Unit UTU-77236X. Newfield certifies that it is the Lone Tree Unit Operator and all lands within 460 feet of the entire directional well bore are within the Lone Tree Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at [reveland@newfield.com](mailto:reveland@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

*Roxann Eveland*

Roxann Eveland  
Land Associate

RECEIVED

MAR 17 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-13905

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Lone Tree Unit

8. Lease Name and Well No.

Lone Tree Federal C-22-9-17

9. API Well No.

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 22, T9S R17E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NW/NE 718' FNL 1795' FEL

At proposed prod. zone 25' FNL 2602' FEL

14. Distance in miles and direction from nearest town or post office\*

Approximatley 17.3 miles southeast of Myton, Utah

15. Distance from proposed\*

location to nearest  
property or lease line, ft.

(Also to nearest drig. unit line, if any) Approx. 25' t/lse, 2602' f/unit

16. No. of Acres in lease

1200.00

17. Spacing Unit dedicated to this well

20 Acres

18. Distance from proposed location\*

to nearest well, drilling, completed,  
applied for, on this lease, ft.

Approx. 1474'

19. Proposed Depth

5600'

20. BLM/BIA Bond No. on file

WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5222' GL

22. Approximate date work will start\*

2 nd Quarter 2008

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

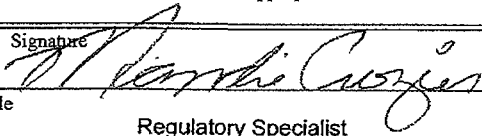
3. A Surface Use Plan (if the location is on National Forest System Lands, the  
SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see  
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the  
authorized officer.

25. Signature



Name (Printed/Typed)

Mandie Crozier

Date

3/7/08

Title

Regulatory Specialist

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

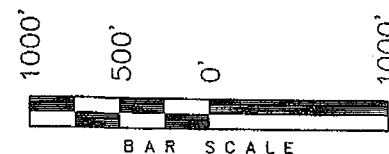
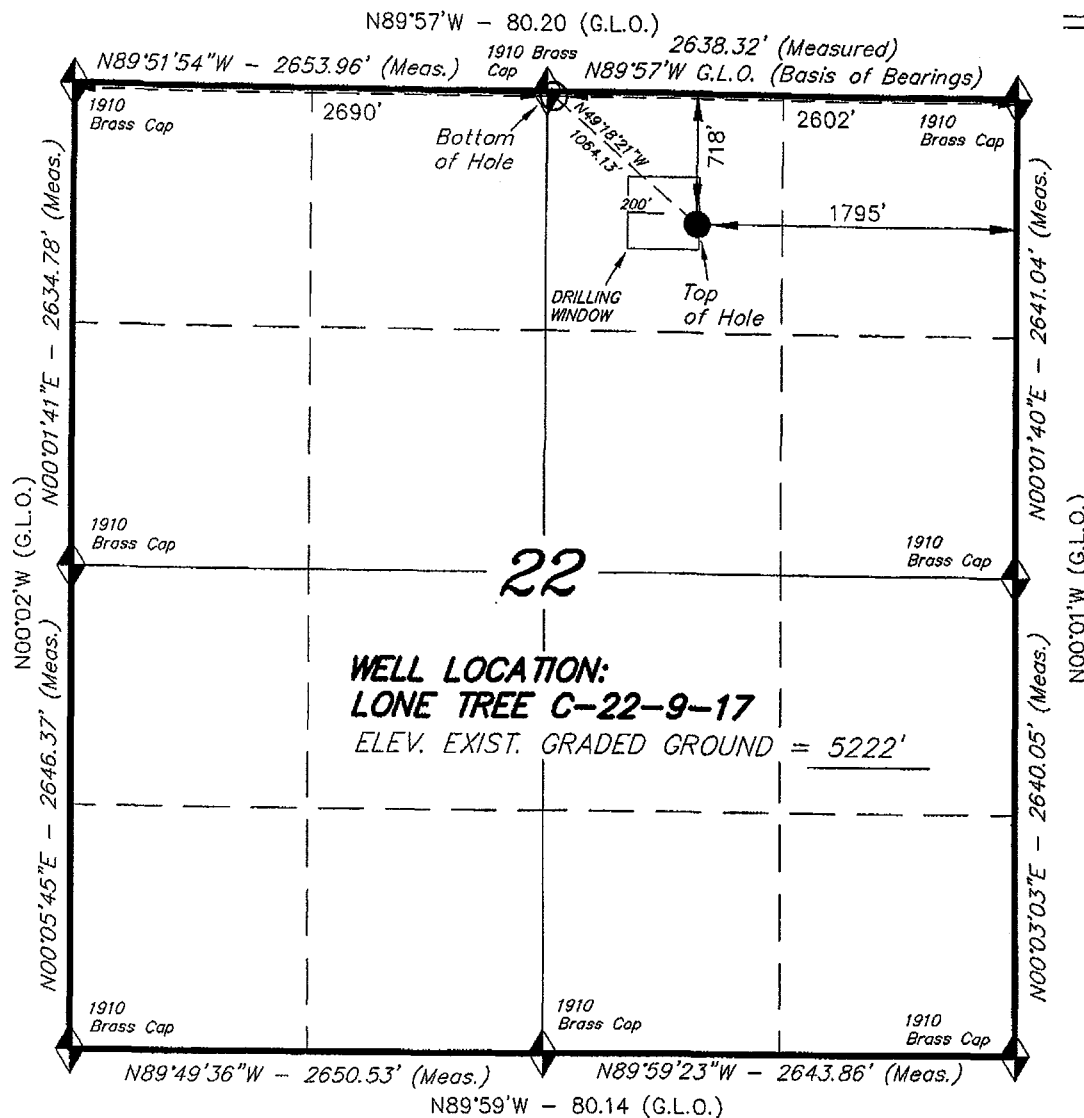
MAR 17 2008

DIV. OF OIL, GAS & MINING

# T9S, R17E, S.L.B.&M.

## NEWFIELD PRODUCTION COMPANY

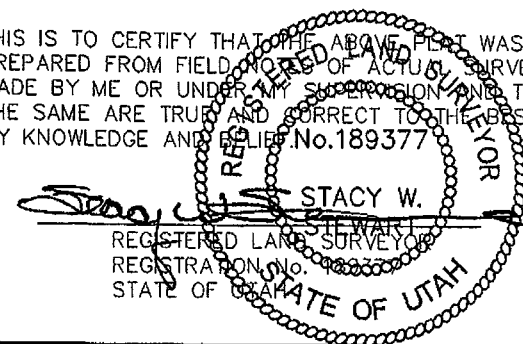
WELL LOCATION, LONE TREE C-22-9-17,  
LOCATED AS SHOWN IN THE NW 1/4 NE  
1/4 OF SECTION 22, T9S, R17E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



### Note:

1. The bottom of hole footages are  
25' FNL & 2690' FWL.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



### TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 12-19-07	SURVEYED BY: T.H.
DATE DRAWN: 12-26-07	DRAWN BY: F.T.M.
REVISED: 02-08-08 L.C.S.	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

LONE TREE C-22-9-17  
(Surface Location) NAD 83  
LATITUDE = 40° 01' 18.15"  
LONGITUDE = 109° 59' 22.87"

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

March 24, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2008 Plan of Development Lone Tree Unit,  
Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Lone Tree Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-33932	Lone Tree Fed X-15-9-17	Sec 15 T09S R17E 0641 FSL 1942 FWL BHL Sec 15 T09S R17E 0050 FSL 1360 FWL
43-013-33933	Lone Tree Fed N-15-9-17	Sec 15 T09S R17E 2119 FSL 0786 FWL BHL Sec 15 T09S R17E 2640 FSL 1415 FWL
43-013-33934	Lone Tree Fed C-22-9-17	Sec 22 T09S R17E 0718 FNL 1795 FEL BHL Sec 22 T09S R17E 0025 FNL 2602 FEL

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - Lone Tree Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:3-24-08



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

March 24, 2008

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Lone Tree Federal C-22-9-17 Well, Surface Location 718' FNL, 1795' FEL, NW NE, Sec. 22, T. 9 South, R. 17 East, Bottom Location 25' FNL, 2602' FEL, NW NE, Sec. 22, T. 9 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33934.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal Office

Operator: \_\_\_\_\_ Newfield Production Company

Well Name & Number \_\_\_\_\_ Lone Tree Federal C-22-9-17

API Number: \_\_\_\_\_ 43-013-33934

Lease: \_\_\_\_\_ UTU-13905

Surface Location: NW NE      Sec. 22      T. 9 South      R. 17 East

Bottom Location: NW NE      Sec. 22      T. 9 South      R. 17 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281      (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R. 649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

# RECEIVED

MAR 14 2008

Form 3160-3  
(September 2001)

## BLM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

### APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-13905
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Lone Tree Unit
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Lone Tree Federal C-22-9-17
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/NE 718' FNL 1795' FEL At proposed prod. zone 25' FNL 2602' FEL		9. API Well No. K3-013-33934
14. Distance in miles and direction from nearest town or post office* Approximatley 17.3 miles southeast of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 25' f/lse, 2602' f/unit	16. No. of Acres in lease 1200.00	11. Sec., T., R., M., or Blk. and Survey or Area Sec. 22, T9S R17E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1474'	19. Proposed Depth 5600'	12. County or Parish Duchesne
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5222' GL	22. Approximate date work will start* 2 nd Quarter 2008	13. State UT
20. BLM/BIA Bond No. on file WYB000493		
23. Estimated duration Approximately seven (7) days from spud to rig release.		
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 3/7/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) Jenny Kenzla	Date 7-29-2008
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

UDOGM  
NOTICE OF APPROVAL

OSPP0325A

RECEIVED  
CONDITIONS OF APPROVAL ATTACHED  
AUG 05 2008

NOS 01/08/08

DIV. OF OIL, GAS & MINING



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Newfield Production Company  
Well No: Lone Tree Federal C-22-9-17  
API No: 43-047-33934

Location: NWNE, Sec. 22, T9S, R17E  
Lease No: UTU-13905  
Agreement: Lone Tree Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.



***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**SITE SPECIFIC CONDITIONS OF APPROVAL**

- Pipelines will be buried at all major drainage crossings. For all pipelines crossing streams and/or floodplains, consult "Hydraulic Considerations for Pipelines Crossing Stream Channels" Tech Note 423 (<ftp://ftp.blm.gov/pub/nstc/TechNotes/TechNote423.pdf>).
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.
- A temporary road ROW will not be granted. The road ROW will be 30 foot for construction and will reduce to an 18 foot running surface.

Comments:

- GIS data shows the project area is within Mountain Plover nesting habitat. Because the proposed location is going to be directionally drilled from an existing location and no new disturbance will be required, Mountain Plover timing restrictions were not applied.
- During onsite it was evident that scattered complexes of White-tailed prairie dog colonies (Burrowing Owl nesting habitat) were in the area. Because the proposed location is going to be directionally drilled from an existing location and no new disturbance will be required, Burrowing Owl timing restrictions were not applied.
- This project will be a Categorical Exclusion to the Castle Peak and Eight – Mile Flat Oil and Gas Expansion Project EIS (August 2005).

**Follow-up Actions and/or Recommendations:**

**Please be aware that this Special Status Species wildlife clearance is effective for 1 year from the date of the onsite date. Any proposals submitted after the date of the onsite should require additional surveys and clearances.**

Based on the previous field exam and existing data, and if all timing restrictions are adhered to then, it is my opinion that a no effect situation exists for Special Status Wildlife Species with the construction and drilling of this proposed drill site. Therefore, this site is cleared from a Special Status Wildlife Species perspective.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Production casing cement shall be brought up and into the surface.
- Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.
- Logging: A Gamma Ray well Log shall be run from the well Total Depth to the surface. A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: LONE TREE FED C-22-9-17

Api No: 43-013-33934 Lease Type: FEDERAL

Section 22 Township 09S Range 17E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### **SPUDDED:**

Date 10/13/08

Time 11:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by XABIER LASA

Telephone # (435) 823-6013

Date 10/13//08 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3630**  
**MYTON, UT 84052**

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12417 ✓	4301333933	LONE TREE FEDERAL N-15-9-17	NWSW	15	9S	17E	DUCHESNE	10/6/2008	10/27/08
WELL 1 COMMENTS: GRUV BHL = NESW											
B	99999	12417 ✓	4304733934	LONE TREE C-22-9-17	NWNE	22	9S	17E	DUCHESNE	10/13/2008	10/27/08
WELL 2 COMMENTS: GRUV 4301333934 BHL = NWNE DUCHESNE											
A	99999	17140	4301333742	UTE TRIBAL 11-24-4-2	NESW	24	4S	2W	DUCHESNE	10/14/2008	10/27/08
WELL 3 COMMENTS: GRUV DUCHESNE											
B	99999	12308 ✓	4301333819	SANDWASH Q-31-8-17	NWSW	31	8S	17E	DUCHESNE	10/14/2008	10/27/08
WELL 4 COMMENTS: GRUV BHL = NWSW											
A	99999	17141	4304739631	FEDERAL 8-29-9-18	SENE	29	9S	18E	UINTAH	10/9/2008	10/27/08
WELL 5 COMMENTS: GRUV											
B	99999	11492 ✓	4301334010	JONAH FEDERAL S-12-9-16	SESE	12	9S	16E	DUCHESNE	10/15/2008	10/27/08
WELL 6 COMMENTS: GRUV BHL = SWSE											

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

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OCT 20 2008

DIV. OF OIL, GAS & MINING

Signature \_\_\_\_\_ JENTRI PARK  
Production Clerk \_\_\_\_\_ 10/15/08  
Date \_\_\_\_\_

NOTE: Use COMMENT section to explain why each Action Code was selected.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
718 FNL 1795 FEL  
NWNE Section 22 T9S R17E

5. Lease Serial No.

USA UTU-13905

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
LONE TREE UNIT

8. Well Name and No.  
LONE TREE FEDERAL C-22-9-17

9. API Well No.  
4304733934

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 10-13-08 MIRU NDSI NS#1. Drill 315' of 12 1/4" hole with air mist. TIH W/ 8 Jt's 8 5/8" J-55 24 # csgn. Set @ 320.21' KB  
On 10-14-08 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild.  
Returned 5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Rav Herrera

Signature

*Rav Herrera*

Title

Drilling Foreman

Date

10/14/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

RECEIVED

OCT 27 2008

DIV. OF OIL, GAS & MINING



# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 320.21

LAST CASING 8 5/8" SET AT 320.21'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 315 LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Lone Tree Fed C-22-9-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS # 1

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		Shoe Joint 36.10'						
		WHI - 92 csg head			8rd	A	0.95	
8	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	308.36	
		GUIDE shoe			8rd	A	0.9	
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			310.21	
TOTAL LENGTH OF STRING		310.21	8	LESS CUT OFF PIECE			2	
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12	
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			320.21	
TOTAL		308.36	8	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		320.04	8					
TIMING		1ST STAGE						
BEGIN RUN CSG.		Spud	10/13/2008	11:00 AM	GOOD CIRC THRU JOB			YES
CSG. IN HOLE			10/14/2008	9:00 AM	Bbls CMT CIRC TO SURFACE			4
BEGIN CIRC			10/14/2008	1:05 PM	RECIPROCATED PIPE FOR			N/A
BEGIN PUMP CMT			10/14/2008	1:11PM				
BEGIN DSPL. CMT			10/14/2008	1:21PM	BUMPED PLUG TO			500 PSI
PLUG DOWN			10/14/2008	1:30PM				
CEMENT USED		CEMENT COMPANY- B. J.						
STAGE	# SX	CEMENT TYPE & ADDITIVES						
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield						
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3								

COMPANY REPRESENTATIVE Xabier Lasa DATE 10/14/2008

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-13905

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:  
OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR:  
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 718 FNL 1795 FEL COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNE, 22, T9S, R17E STATE: UT

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
LONE TREE UNIT

8. WELL NAME and NUMBER:  
LONE TREE FEDERAL C-22-9-17

9. API NUMBER:  
4301333934

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  11/26/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above subject well was completed on 11/12/08, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 11/26/2008

(This space for State use only)

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DEC 01 2008  
DIV. OF OIL, GAS & MINING

**Daily Activity Report**

Format For Sundry

**LONETREE C-22-9-17****9/1/2008 To 1/30/2009****11/4/2008 Day: 1****Completion**

Rigless on 11/3/2008 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5667' cement top @ 196'. Perforate stage #1. CP4 sds @ 5492-5500' & CP3 sds @ 5460-5470' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 72 shots. 136 BWTR. SIFN.

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**11/6/2008 Day: 2****Completion**

Rigless on 11/5/2008 - Day 2a, Stage #1 CP3/CP4 sds. RU BJ Services. 60 psi on well. Frac CP3/CP4 sds w/ 39,536#'s of 20/40 sand in 475 bbls of Lightning 17 fluid. Broke @ 3026 psi. Treated w/ ave pressure of 1845 psi w/ ave rate of 23.2 BPM. ISIP 1845 psi. Leave pressure on well. 611 BWTR. See day 2b. Day 2b, Stage #2 CP.5/CP1/CP2 sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 2- 10', 9' perf guns. Set plug @ 5390'. Perforate CP.5 sds @ 5259-69', CP1 sds @ 5305-14', CP2 sds @ 5352-62' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 116 shots. RU BJ Services. 1217 psi on well. Frac CP.5/CP1/CP2 sds w/ 48,715#'s of 20/40 sand in 547 bbls of Lightning 17 fluid. Broke @ 1287 psi. Treated w/ ave pressure of 1507 psi w/ ave rate of 23.3 BPM. ISIP 1790 psi. Leave pressure on well. 1158 BWTR. See day 2c. Day 2c, Stage #3 LODC sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 8' perf gun. Set plug @ 5100'. Perforate LODC sds @ 5004-12' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 32 shots. SWIFN.

---

**11/7/2008 Day: 3****Completion**

Rigless on 11/6/2008 - Day3a. RU BJ Services. Open well w/ 985 psi on casing. Frac LODC sds, stage #3 down casing w/ 23,648#'s of 20/40 sand in 355 bbls of Lightning 17 frac fluid. Perfs broke down @ 1346 psi. Pump 30 gals of Techna Hib chemical @ 4% by volume. Treated @ ave pressure of 2328 w/ ave rate of 23 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2197. 966 bbls EWTR. Leave pressure on well. See day3b. Day3b. RU WLT. RIH w/ frac plug & 12', 10' perf guns. Set plug @ 4900'. Perforate A1 sds @ 4844-56' & 4823-33' w/ 4 spf for total of 88 shots. RU BJ Services. Open well w/ 1365 psi on casing. Frac stage #4 w/ 60,944#'s of 20/40 sand in 512 bbls of Lightning 17 frac fluid. Perfs broke down @ 1567 psi. Pump 30 gals of Techna Hib chemical @ 4% by volume. Treated @ ave pressure of 1598 w/ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2062. 1478 bbls EWTR. Leave pressure on well. See day3c. Day3c. RU WLT. RIH w/ frac plug & 10' perf gun. Set plug @ 4650'. Perforate C sds @ 4564-74' w/ 4 spf for total of 40 shots. RU BJ Services. Open well w/ 1365 psi on casing. Frac stage #5 w/ 24,468#'s of 20/40 sand in 349 bbls of Lightning 17 frac fluid. Perfs broke down @ 1805 psi. Pump 30 gals of Techna Hib chemical @ 4% by volume. Treated @ ave pressure of 2196 w/ ave rate of 23 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2268. 1827 bbls EWTR. Leave pressure on well. See day3d. Day3d. RU WLT. RIH w/ frac plug & 8' perf gun. Set plug @ 4500'. Perforate D2 sds @ 4470-78' w/ 4 spf for total of 32 shots. RU BJ Services. Open well w/ 1365 psi on

casing. Frac stage #6 w/ 31,129#'s of 20/40 sand in 397 bbls of Lightning 17 frac fluid. Perfs broke down @ 1618 psi. Pump 30 gals of Techna Hib chemical @ 4% by volume. Treated @ ave pressure of 1910 w/ ave rate of 23 bpm w/ 6 ppg of sand. ISIP was 1911. 2224 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 6 hours & died w/ 900 bbls rec'd. SIFN.

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**11/8/2008 Day: 4**

**Completion**

NC #2 on 11/7/2008 - MIRUSU NC #2. Check well pressure. Well had 550 psi. Open to pit to blow down. Well was flowing oil. Shut in well & call for kill plug. Wait on wireline. RU wireline. RIH w/ wireline. Set kill plug @ 4420'. RD wireline. Change out BOP. RU workfloor. Tally pipe. Make up bit sub & 4 3/4" bit. Start picking up 2 7/8" j-55 tbgs. Pick up 40 jts tbgs. SDFW

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**11/11/2008 Day: 5**

**Completion**

NC #2 on 11/10/2008 - Open well. Cont pick up 2 7/8" j-55 tbgs to tag CBP @ 4420'. Tag CBP. RU power swivel & run pump lines. Drill out cbp. Make 2 connections. Well started to flow oil. RU return line to flow line & circulate out oil. Power swivel died & would'nt restart. Wait on Nabors Oil Tools to repair. Get swivel running. Tag CBP @ 4500'. Drill out CBP. Cont pick up tbgs to tag. Tag up on CBP @ 4650'. Cont pick up tbgs. Tag up on CBP @ 4900'. Drill out CBP. Circ clean. SDFN

---

**11/12/2008 Day: 6**

**Completion**

NC #2 on 11/11/2008 - Open well. Tbg psi 100. Csg psi 100. Well was flowing oil. Circ oil & gas to prod tank. Steam off work floor & BOP w/ hot oiler while circ well. Cont pick up tbgs. Tag up CBP @ 5100'. Drill out CBP. Cont pick up tbgs, tag sand @ 5300'. Clean out sand to CBP @ 5390'. Drill out CBP. Cont pick up tbgs, tag sand @ 5584'. Clean out sand to PBTD @ 5709'. MU wash stand. Pull 2 jts. RU to swab. RIH w/ sandline to swab. IFL @ surface. Made 16 runs, recovered 144 BW. FFL @ 900', w/ 30% oil cut, & no sand. SDFN

---

**11/13/2008 Day: 7**

**Completion**

NC #2 on 11/12/2008 - Open well. TBG psi 350. CSG psi 350. TIH to tag fill. Tag @ approx 5708'. 1' fill. Circ clean. Lay down 5 jts. TOOH w/ tbgs. Lay down bit & bit sub. TIH w/ 2 7/8" J-55 tbgs as detailed below. RD work floor. NDBOP. Set anchor. Land tbgs w/ 16000# ten. NU wellhead. Flush tbgs w/ 60 bw. Pick up & prime new CDI 2 1/2" X 1 3/4" X 24' X 25' RHAC pump. Pick up 4-1 1/2" X 25' wt bars. 215 - 7/8" X 25' scraped rods, 1- 7/8" X 2', 1- 7/8" X 8' subs, 1- 1 1/2" X 26' polished rod. Fill & test tbgs to 200 psi. RU pumping unit. Stroke test pump to 800 psi w/ unit. PWOP @ 6:00 PM w/ 125" SL @ 4 1/2 SPM FINAL REPORT!

---

**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

718 FNL 1795 FEL

NWNE Section 22 T9S R17E

5. Lease Serial No.

USA UTU-13905

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

LONE TREE UNIT

8. Well Name and No.

LONE TREE FEDERAL C-22-9-17

9. API Well No.

4301333934

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 10/16/08 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 274'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5759'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 147 jt's of 5.5 J-55, 15.5# csgn. Set @ 5749' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 40 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 100,000 #'s tension. Release rig @ 6:00 PM on 10/23/08.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Justin Crum

Signature

Title

Drilling Foreman

Date

12/08/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

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**DIV. OF OIL, GAS & MINING**

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET @ 5749.91

LAST CASING: 8-5/8" SET @ 320'  
 DATUM (KB) 12  
 DATUM TO CUT OFF CASING 12  
 DATUM TO BRADENHEAD FLANGE 12  
 DRILLER TD 5755 LOGGER TD 5759  
 HOLE SIZE 7-7/8" TOP FLOAT COLLAR @ 5708.67  
 TOP SHORT JT @ 3433.42

OPERATOR: Newfield Production Company  
 WELL: Lone Tree Federal C-22-9-17  
 FIELD/PROSPECT: Monument Butte  
 CONTRACTOR & RIG #: NDSI # 1

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1		Landing Jt	15.5#	J-55	8rd	A	14
146	5 1/2"	LT&C CASING	15.5#	J-55	8rd	A	5696.67
1	5 1/2"	FLOAT COLLAR	-	-	-	A	0.6
1	5 1/2"	LT&C CASING	15.5#	J-55	8rd	A	39.99
1	5 1/2"	GUIDE SHOE					0.65

TOTAL LENGTH OF STRING 5751.91  
 (-) LANDING JT 14  
 (-) AMOUNT CUTOFF 0  
 (+) KB ELEVATION 12  
**CASING SET DEPTH 5749.91**

COMPARE (SHOULD BE EQUAL)

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	5751.91	147
LESS NON CSG. ITEMS	15.25	-
PLUS FULL JTS. LEFT OUT	674.26	17
TOTAL	6410.92	164
TOTAL CSG. DEL. (W/O THRDS)	6410.92	164

## CEMENT DATA

	TIME	DATE
BEGIN RUN CSG.	8:30 AM	10/22/2008
CSG. IN HOLE	23:30	10/22/2008
BEGIN CIRC	11:30 PM	10/22/2008
BEGIN PUMP CMT	12:57 PM	10/23/2008
BEGIN DSPL. CMT	1:43 AM	10/23/2008
PLUG DOWN	2:10 AM	10/23/2008

GOOD CIRC THRU JOB: Yes  
 Bbls CMT CIRC TO SURFACE: 40  
 RECIPROCATED PIPE: No  
 DID BACK PRES. VALVE HOLD ? yes  
 BUMPED PLUG TO: 40 PSI

## CEMENT USED

CEMENT COMPANY:		BJ
STAGE	# SX	CEMENT TYPE & ADDITIVES
1 (lead)	300	Premium Lite II cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.5 lbs/sack Cello Flake + 2 lbs/sack Kol Seal + 0.002 gps FP-6L + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate + 5 lbs/sack CSE-2 + 204.7% Fresh Water
2 (tail)	400	(50:50) Poz (Fly Ash): Class G Cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.5% bwoc EC-1 + 0.25 lbs/sack Cello Flake + 0.002 gps FP-6L + 2% bwoc Bentonite + 0.3% bwoc Sodium Metasilicate + 54.7% Fresh Water
CENTRALIZER & SCRATCHER PLACEMENT (SHOW MAKE & SPACING)		
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.		

COMPANY REPRESENTATIVE Justin Crum

DATE 10/22/2008

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other						5. Lease Serial No. UTU-13905			
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____						6. If Indian, Allottee or Tribe Name NA			
2. Name of Operator NEWFIELD EXPLORATION COMPANY						7. Unit or CA Agreement Name and No. LONETREE UNIT			
3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202				3a. Phone No. (include area code) (435)646-3721		8. Lease Name and Well No. LONETREE FEDERAL C-22-9-17			
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface 718' FNL & 1795' FEL (NW/NE) SEC. 22, T9S, R17E  At top prod. interval reported below  At total depth <del>5750'</del> 080 FSL 2581 FWL SFSW S-15 T9S R17E						9. AFI Well No. 43-013-33934			
14. Date Spudded 10/13/2008						15. Date T.D. Reached 10/23/2008			
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.						17. Elevations (DF, RKB, RT, GL)* 5222' GL 5234' KB			
18. Total Depth: MD 5750' TVD 5635'				19. Plug Back T.D.: MD 5709' TVD 5553'		20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) ✓ DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND						22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)			
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		320'		160 CLASS G		196'	
7-7/8"	5-1/2" J-55	15.5#		5750'		300 PRIMLITE			
						400 50/50 POZ			
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	EOT@ 5556'	TA @ 5428'							
25. Producing Intervals									
Formation	Top	Bottom	26. Perforation Record						
A) Green River			Perforation Interval	Size	No. Holes	Perf. Status			
B) Green River			(CP4) 5492-5500'(CP3)546	.49"	4	72			
C) Green River			(CP.5)(CP1)(CP2) see belo	.49"	4	116			
D) Green River			(LODC2) 5004-5012'	.49"	4	32			
			(A1) 4844-56',4823-33"	.49"	4	88			
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval	Amount and Type of Material								
5460-5500'	Frac w/ 39536# of 20/40 snd 475 bbls fluid								
5259-5362'	Frac w/ 48715# 20/40 snd 547 bbls fluid								
5004-5012'	Frac w/ 23648# 20/40 snd 355 bbls fluid								
4823-4856'	Frac w/ 60944# 20/40 snd 512 bbls fluid								
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/12/08	11/22/08	24	→	168	60	28			2-1/2" x 1-3/4" x 24' x 25' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

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DIV. OF OIL, GAS &amp; MINING

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

## GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3389' 3588'
				GARDEN GULCH 2 POINT 3	3701' 3964'
				X MRKR Y MRKR	4216' 4251'
				DOUGALS CREEK MRK BI CARBONATE MRK	4382' 4622'
				B LIMESTON MRK CASTLE PEAK	4747' 5232'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	5671' 5796'

## 32. Additional remarks (include plugging procedure):

(CP.5) 5259-5269, (CP1) 5305-14' (CP2) 5352-62'

(C) 4564-4574' 4/40 4564-4574' Frac w/ 24468 #'S OF 20/40 SAND IN 349 bbls of Lightning fluid

(D2) 4470-4478' 4/32 4470-4478' Fracw/ 31129 #'s of 20/40 sand in 397 bbls of Lightning fluid

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)     
 ☐ Geologic Report     
 ☐ DST Report     
 ☒ Directional Survey  
☐ Sundry Notice for plugging and cement verification     
 ☐ Core Analysis     
 ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Tammi LeeTitle Production ClerkSignature Tammi LeeDate 11/26/2008

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)



**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 22 T9S R17E  
C-22-9-17**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**05 November, 2008**

**HATHAWAY HB BURNHAM**  
DIRECTIONAL & MWD SERVICES

**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 22 T9S R17E  
**Well:** C-22-9-17  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well C-22-9-17  
**TVD Reference:** C-22-9-17 @ 5237.00ft (RIG #1)  
**MD Reference:** C-22-9-17 @ 5237.00ft (RIG #1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

<b>Project</b>	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		Using geodetic scale factor

**Site** SECTION 22 T9S R17E, SEC 22 T9S R17E

<b>Site Position:</b>		<b>Northing:</b>	7,178,000.00 ft	<b>Latitude:</b>	40.015699
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,062,600.00 ft	<b>Longitude:</b>	-109.992518
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	0.97 °

<b>Well</b>	C-22-9-17, SUR LAT: 40 01 18.15 LONG: -109 59 22.87				
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	7,180,201.83 ft	<b>Latitude:</b> 40.021708
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,063,356.07 ft	<b>Longitude:</b> -109.989686
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b> 0.00 ft

**Wellbore** Wellbore #1

<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	2008/10/09	11.61	65.87	52,562

**Design** Wellbore #1

**Audit Notes:**

<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
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<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	311.06

**Survey Program** Date 2008/11/05

<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
400.00	5,708.00	Survey #1 (Wellbore #1)	MWD	MWD - Standard

**Survey**

<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.33	328.74	400.00	0.98	-0.60	1.10	0.08	0.08	0.00
471.00	0.97	280.05	470.99	1.26	-1.30	1.81	1.12	0.90	-68.58
501.00	1.27	285.74	500.99	1.40	-1.87	2.33	1.07	1.00	18.97
531.00	1.47	293.17	530.98	1.64	-2.54	2.99	0.89	0.67	24.77
562.00	1.71	288.42	561.97	1.94	-3.34	3.80	0.88	0.77	-15.32
593.00	1.89	287.32	592.95	2.24	-4.27	4.69	0.59	0.58	-3.55
623.00	2.48	288.82	622.93	2.60	-5.36	5.75	1.98	1.97	5.00
654.00	2.88	290.11	653.90	3.08	-6.72	7.09	1.30	1.29	4.16
684.00	3.63	293.19	683.85	3.72	-8.30	8.70	2.57	2.50	10.27
715.00	4.11	293.10	714.78	4.54	-10.23	10.69	1.55	1.55	-0.29
746.00	4.29	297.72	745.69	5.51	-12.28	12.88	1.24	0.58	14.90
777.00	4.35	298.18	776.61	6.61	-14.34	15.15	0.22	0.19	1.48



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 22 T9S R17E  
**Well:** C-22-9-17  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well C-22-9-17  
**TVD Reference:** C-22-9-17 @ 5237.00ft (RIG #1)  
**MD Reference:** C-22-9-17 @ 5237.00ft (RIG #1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
808.00	4.92	296.71	807.50	7.76	-16.56	17.59	1.88	1.84	-4.74
839.00	5.60	296.27	838.37	9.03	-19.11	20.34	2.20	2.19	-1.42
871.00	6.09	300.75	870.21	10.59	-21.97	23.52	2.09	1.53	14.00
902.00	6.39	301.78	901.02	12.34	-24.85	26.84	1.03	0.97	3.32
933.00	6.35	300.29	931.83	14.11	-27.79	30.22	0.55	-0.13	-4.81
965.00	6.45	300.91	963.63	15.92	-30.86	33.73	0.38	0.31	1.94
996.00	7.05	301.89	994.42	17.82	-33.97	37.32	1.97	1.94	3.16
1,027.00	7.67	302.48	1,025.16	19.94	-37.33	41.25	2.01	2.00	1.90
1,058.00	7.65	302.07	1,055.88	22.15	-40.83	45.33	0.19	-0.06	-1.32
1,090.00	7.51	301.54	1,087.61	24.37	-44.41	49.50	0.49	-0.44	-1.66
1,122.00	7.62	301.52	1,119.33	26.57	-48.00	53.65	0.34	0.34	-0.06
1,153.00	8.00	302.00	1,150.04	28.79	-51.59	57.81	1.24	1.23	1.55
1,184.00	8.31	302.57	1,180.73	31.14	-55.30	62.15	1.03	1.00	1.84
1,216.00	8.44	304.00	1,212.38	33.70	-59.20	66.77	0.77	0.41	4.47
1,247.00	8.24	304.62	1,243.06	36.23	-62.91	71.24	0.71	-0.65	2.00
1,278.00	8.31	304.88	1,273.73	38.78	-66.58	75.67	0.26	0.23	0.84
1,309.00	8.50	305.30	1,304.40	41.38	-70.29	80.18	0.64	0.61	1.35
1,341.00	8.96	304.88	1,336.03	44.17	-74.26	85.01	1.45	1.44	-1.31
1,372.00	9.32	305.98	1,366.64	47.03	-78.27	89.91	1.29	1.16	3.55
1,403.00	9.80	307.54	1,397.21	50.11	-82.39	95.04	1.76	1.55	5.03
1,434.00	9.93	307.10	1,427.75	53.33	-86.62	100.34	0.48	0.42	-1.42
1,465.00	10.48	308.20	1,458.26	56.69	-90.97	105.82	1.88	1.77	3.55
1,497.00	10.55	310.35	1,489.72	60.38	-95.49	111.66	1.25	0.22	6.72
1,528.00	11.36	309.30	1,520.15	64.15	-100.01	117.55	2.69	2.61	-3.39
1,559.00	12.22	309.47	1,550.50	68.17	-104.91	123.88	2.78	2.77	0.55
1,589.00	12.79	309.43	1,579.79	72.30	-109.92	130.37	1.90	1.90	-0.13
1,620.00	13.47	311.01	1,609.98	76.85	-115.30	137.41	2.48	2.19	5.10
1,652.00	13.87	312.90	1,641.07	81.91	-120.92	144.98	1.87	1.25	5.91
1,683.00	14.28	314.22	1,671.14	87.10	-126.38	152.51	1.68	1.32	4.26
1,714.00	14.41	311.67	1,701.17	92.33	-132.00	160.18	2.08	0.42	-8.23
1,746.00	14.76	309.52	1,732.14	97.57	-138.12	168.24	2.01	1.09	-6.72
1,777.00	15.28	308.39	1,762.08	102.62	-144.37	176.27	1.93	1.68	-3.65
1,871.00	14.46	304.33	1,852.94	116.93	-163.77	200.29	1.41	-0.87	-4.32
1,964.00	16.26	306.79	1,942.61	131.28	-183.79	224.81	2.06	1.94	2.65
2,058.00	15.99	310.09	2,032.92	147.50	-204.23	250.88	1.02	-0.29	3.51
2,152.00	14.83	309.45	2,123.54	163.48	-223.43	275.85	1.25	-1.23	-0.68
2,245.00	16.35	311.65	2,213.11	179.75	-242.40	300.84	1.75	1.63	2.37
2,339.00	16.37	314.55	2,303.31	197.83	-261.73	327.29	0.87	0.02	3.09
2,433.00	16.13	314.55	2,393.55	216.28	-280.47	353.55	0.26	-0.26	0.00
2,527.00	14.90	312.46	2,484.13	233.60	-298.69	378.66	1.44	-1.31	-2.22
2,620.00	16.13	315.05	2,573.74	250.82	-316.64	403.50	1.52	1.32	2.78
2,714.00	16.19	315.05	2,664.02	269.34	-335.13	429.60	0.06	0.06	0.00
2,808.00	17.24	313.94	2,754.05	288.28	-354.41	456.59	1.17	1.12	-1.18
2,901.00	17.51	316.92	2,842.81	308.06	-373.89	484.27	1.00	0.29	3.20
2,995.00	16.81	313.49	2,932.63	327.74	-393.41	511.92	1.31	-0.74	-3.65
3,088.00	16.81	312.13	3,021.65	346.02	-413.14	538.80	0.42	0.00	-1.46
3,182.00	17.36	313.01	3,111.50	364.70	-433.48	566.41	0.65	0.59	0.94
3,275.00	16.88	312.48	3,200.38	383.29	-453.58	593.77	0.54	-0.52	-0.57
3,369.00	15.93	310.24	3,290.56	400.84	-473.50	620.31	1.21	-1.01	-2.38
3,463.00	15.18	310.81	3,381.11	417.21	-492.66	645.52	0.81	-0.80	0.61
3,556.00	14.50	310.10	3,471.01	432.67	-510.78	669.34	0.76	-0.73	-0.76
3,649.00	13.34	306.35	3,561.28	446.53	-528.33	691.67	1.58	-1.25	-4.03
3,743.00	13.17	312.35	3,652.78	460.17	-544.98	713.19	1.47	-0.18	6.38
3,837.00	14.19	314.53	3,744.11	475.46	-561.10	735.39	1.22	1.09	2.32



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 22 T9S R17E  
**Well:** C-22-9-17  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well C-22-9-17  
**TVD Reference:** C-22-9-17 @ 5237.00ft (RIG #1)  
**MD Reference:** C-22-9-17 @ 5237.00ft (RIG #1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,931.00	14.08	311.95	3,835.27	491.19	-577.82	758.33	0.68	-0.12	-2.74
4,024.00	12.81	307.43	3,925.72	505.02	-594.42	779.93	1.77	-1.37	-4.86
4,118.00	12.70	306.79	4,017.40	517.54	-610.97	800.63	0.19	-0.12	-0.68
4,212.00	15.86	309.21	4,108.48	531.85	-629.21	823.78	3.42	3.36	2.57
4,305.00	15.49	306.48	4,198.03	547.27	-649.04	848.86	0.89	-0.40	-2.94
4,398.00	15.10	308.85	4,287.73	562.25	-668.46	873.34	0.79	-0.42	2.55
4,492.00	15.64	312.54	4,378.37	578.50	-687.33	898.25	1.19	0.57	3.93
4,586.00	14.55	311.84	4,469.13	594.94	-705.46	922.72	1.18	-1.16	-0.74
4,679.00	15.42	315.78	4,558.97	611.60	-722.79	946.72	1.44	0.94	4.24
4,772.00	15.42	316.63	4,648.62	629.44	-739.90	971.35	0.24	0.00	0.91
4,866.00	15.53	316.74	4,739.21	647.69	-757.11	996.31	0.12	0.12	0.12
4,959.00	14.63	317.80	4,829.01	665.46	-773.53	1,020.37	1.01	-0.97	1.14
5,053.00	15.78	317.51	4,919.72	683.68	-790.14	1,044.86	1.23	1.22	-0.31
5,135.43	15.44	312.90	4,999.11	699.42	-805.75	1,066.96	1.56	-0.41	-5.59
<b>C-22-9-17 TGT</b>									
5,147.00	15.40	312.24	5,010.26	701.50	-808.01	1,070.04	1.56	-0.35	-5.72
5,241.00	14.61	313.16	5,101.06	718.00	-825.90	1,094.36	0.88	-0.84	0.98
5,335.00	14.92	310.54	5,191.95	733.97	-843.75	1,118.31	0.78	0.33	-2.79
5,428.00	15.19	309.82	5,281.76	749.56	-862.20	1,142.46	0.35	0.29	-0.77
5,522.00	15.00	310.53	5,372.52	765.35	-880.91	1,166.94	0.28	-0.20	0.76
5,616.00	15.22	313.92	5,463.27	781.81	-899.04	1,191.43	0.97	0.23	3.61
5,708.00	13.91	313.60	5,552.31	797.82	-915.75	1,214.54	1.43	-1.42	-0.35

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

H HEADER INFORMATION -----  
 H COMPANY : NEWFIELD EXPLORATION  
 H FIELD : USGS Myton SW (UT)  
 H SITE : SECTION 22 T9S R17E  
 H WELL : C-22-9-17  
 H WELLPATH: Wellbore #1  
 H DEPTHUNT: ft  
 H SURVDATE: 2008/11/05  
 H DECLINATION CORR.  
 H = 10.64 TO GRIDH-----

H WELL INFORMATION  
 H WELL EW MAP : 2063356.07  
 H WELL NS MAP : 7180201.83  
 H DATUM ELEVN : 5237.00  
 H VSECT ANGLE : 311.06  
 H VSECT NORTH : 0.00  
 H VSECT EAST : 0.00  
 H-----

H SURVEY TYPE INFORMATION  
 H 400.00 - 5708.00 SURVEY #1 : MWD  
 H-----

## H SURVEY LIST

H MD	INC	AZI	TVD	NS	EW	VS	DLS
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.33	328.74	400.00	0.98	-0.60	1.10	0.08
471.00	0.97	280.05	470.99	1.26	-1.30	1.81	1.12
501.00	1.27	285.74	500.99	1.40	-1.87	2.33	1.07
531.00	1.47	293.17	530.98	1.64	-2.54	2.99	0.89
562.00	1.71	288.42	561.97	1.94	-3.34	3.80	0.88
593.00	1.89	287.32	592.95	2.24	-4.27	4.69	0.59
623.00	2.48	288.82	622.93	2.60	-5.36	5.75	1.98
654.00	2.88	290.11	653.90	3.08	-6.72	7.09	1.30
684.00	3.63	293.19	683.85	3.72	-8.30	8.70	2.57
715.00	4.11	293.10	714.78	4.54	-10.23	10.69	1.55
746.00	4.29	297.72	745.69	5.51	-12.28	12.88	1.24
777.00	4.35	298.18	776.61	6.61	-14.34	15.15	0.22
808.00	4.92	296.71	807.50	7.76	-16.56	17.59	1.88
839.00	5.60	296.27	838.37	9.03	-19.11	20.34	2.20
871.00	6.09	300.75	870.21	10.59	-21.97	23.52	2.09
902.00	6.39	301.78	901.02	12.34	-24.85	26.84	1.03
933.00	6.35	300.29	931.83	14.11	-27.79	30.22	0.55
965.00	6.45	300.91	963.63	15.92	-30.86	33.73	0.38
996.00	7.05	301.89	994.42	17.82	-33.97	37.32	1.97
1027.00	7.67	302.48	1025.16	19.94	-37.33	41.25	2.01

1058.00	7.65	302.07	1055.88	22.15	C-22-9-17_FRPT	-40.83	45.33	0.19
1090.00	7.51	301.54	1087.61	24.37		-44.41	49.50	0.49
1122.00	7.62	301.52	1119.33	26.57		-48.00	53.65	0.34
1153.00	8.00	302.00	1150.04	28.79		-51.59	57.81	1.24
1184.00	8.31	302.57	1180.73	31.14		-55.30	62.15	1.03
1216.00	8.44	304.00	1212.38	33.70		-59.20	66.77	0.77
1247.00	8.24	304.62	1243.06	36.23		-62.91	71.24	0.71
1278.00	8.31	304.88	1273.73	38.78		-66.58	75.67	0.26
1309.00	8.50	305.30	1304.40	41.38		-70.29	80.18	0.64
1341.00	8.96	304.88	1336.03	44.17		-74.26	85.01	1.45
1372.00	9.32	305.98	1366.64	47.03		-78.27	89.91	1.29
1403.00	9.80	307.54	1397.21	50.11		-82.39	95.04	1.76
1434.00	9.93	307.10	1427.75	53.33		-86.62	100.34	0.48
1465.00	10.48	308.20	1458.26	56.69		-90.97	105.82	1.88
1497.00	10.55	310.35	1489.72	60.38		-95.49	111.66	1.25
1528.00	11.36	309.30	1520.15	64.15		-100.01	117.55	2.69
1559.00	12.22	309.47	1550.50	68.17		-104.91	123.88	2.78
1589.00	12.79	309.43	1579.79	72.30		-109.92	130.37	1.90
1620.00	13.47	311.01	1609.98	76.85		-115.30	137.41	2.48
1652.00	13.87	312.90	1641.07	81.91		-120.92	144.98	1.87
1683.00	14.28	314.22	1671.14	87.10		-126.38	152.51	1.68
1714.00	14.41	311.67	1701.17	92.33		-132.00	160.18	2.08
1746.00	14.76	309.52	1732.14	97.57		-138.12	168.24	2.01
1777.00	15.28	308.39	1762.08	102.62		-144.37	176.27	1.93
1871.00	14.46	304.33	1852.94	116.93		-163.77	200.29	1.41
1964.00	16.26	306.79	1942.61	131.28		-183.79	224.81	2.06
2058.00	15.99	310.09	2032.92	147.50		-204.23	250.88	1.02
2152.00	14.83	309.45	2123.54	163.48		-223.43	275.85	1.25
2245.00	16.35	311.65	2213.11	179.75		-242.40	300.84	1.75
2339.00	16.37	314.55	2303.31	197.83		-261.73	327.29	0.87
2433.00	16.13	314.55	2393.55	216.28		-280.47	353.55	0.26
2527.00	14.90	312.46	2484.13	233.60		-298.69	378.66	1.44
2620.00	16.13	315.05	2573.74	250.82		-316.64	403.50	1.52
2714.00	16.19	315.05	2664.02	269.34		-335.13	429.60	0.06
2808.00	17.24	313.94	2754.05	288.28		-354.41	456.59	1.17
2901.00	17.51	316.92	2842.81	308.06		-373.89	484.27	1.00
2995.00	16.81	313.49	2932.63	327.74		-393.41	511.92	1.31
3088.00	16.81	312.13	3021.65	346.02		-413.14	538.80	0.42
3182.00	17.36	313.01	3111.50	364.70		-433.48	566.41	0.65
3275.00	16.88	312.48	3200.38	383.29		-453.58	593.77	0.54
3369.00	15.93	310.24	3290.56	400.84		-473.50	620.31	1.21
3463.00	15.18	310.81	3381.11	417.21		-492.66	645.52	0.81
3556.00	14.50	310.10	3471.01	432.67		-510.78	669.34	0.76
3649.00	13.34	306.35	3561.28	446.53		-528.33	691.67	1.58

3743.00	13.17	312.35	3652.78	460.17	C-22-9-17_FRPT		
3837.00	14.19	314.53	3744.11	475.46	-544.98	713.19	1.47
3931.00	14.08	311.95	3835.27	491.19	-561.10	735.39	1.22
4024.00	12.81	307.43	3925.72	505.02	-577.82	758.33	0.68
4118.00	12.70	306.79	4017.40	517.54	-594.42	779.93	1.77
4212.00	15.86	309.21	4108.48	531.85	-610.97	800.63	0.19
4305.00	15.49	306.48	4198.03	547.27	-629.21	823.78	3.42
4398.00	15.10	308.85	4287.73	562.25	-649.04	848.86	0.89
4492.00	15.64	312.54	4378.37	578.50	-668.46	873.34	0.79
4586.00	14.55	311.84	4469.13	594.94	-687.33	898.25	1.19
4679.00	15.42	315.78	4558.97	611.60	-705.46	922.72	1.18
4772.00	15.42	316.63	4648.62	629.44	-722.79	946.72	1.44
4866.00	15.53	316.74	4739.21	647.69	-739.90	971.35	0.24
4959.00	14.63	317.80	4829.01	665.46	-757.11	996.31	0.12
5053.00	15.78	317.51	4919.72	683.68	-773.53	1020.37	1.01
5147.00	15.40	312.24	5010.26	701.50	-790.14	1044.86	1.23
5241.00	14.61	313.16	5101.06	718.00	-808.01	1070.04	1.56
5335.00	14.92	310.54	5191.95	733.97	-825.90	1094.36	0.88
5428.00	15.19	309.82	5281.76	749.56	-843.75	1118.31	0.78
5522.00	15.00	310.53	5372.52	765.35	-862.20	1142.46	0.35
5616.00	15.22	313.92	5463.27	781.81	-880.91	1166.94	0.28
5708.00	13.91	313.60	5552.31	797.82	-899.04	1191.43	0.97
					-915.75	1214.54	1.43

# NEWFIELD



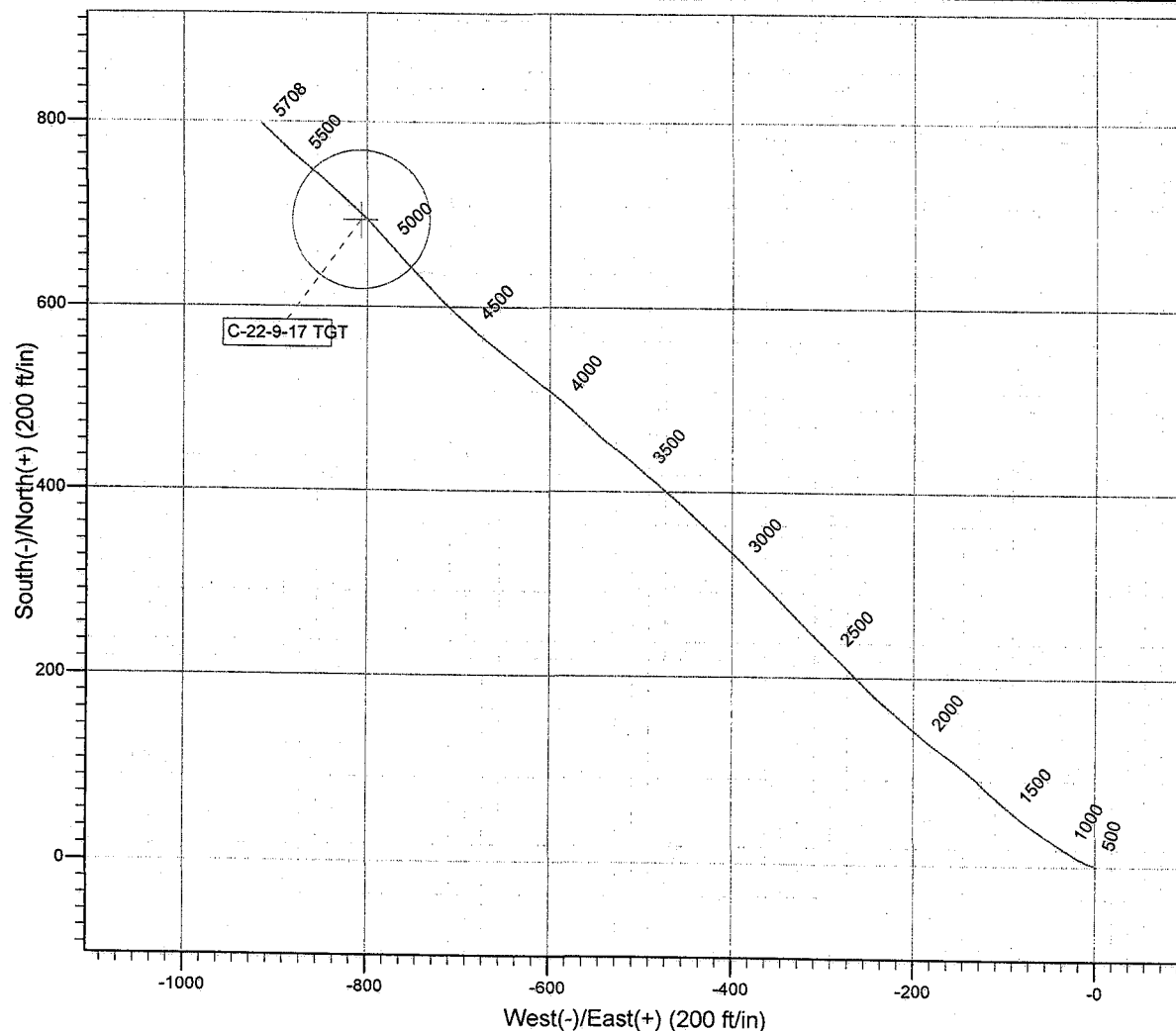
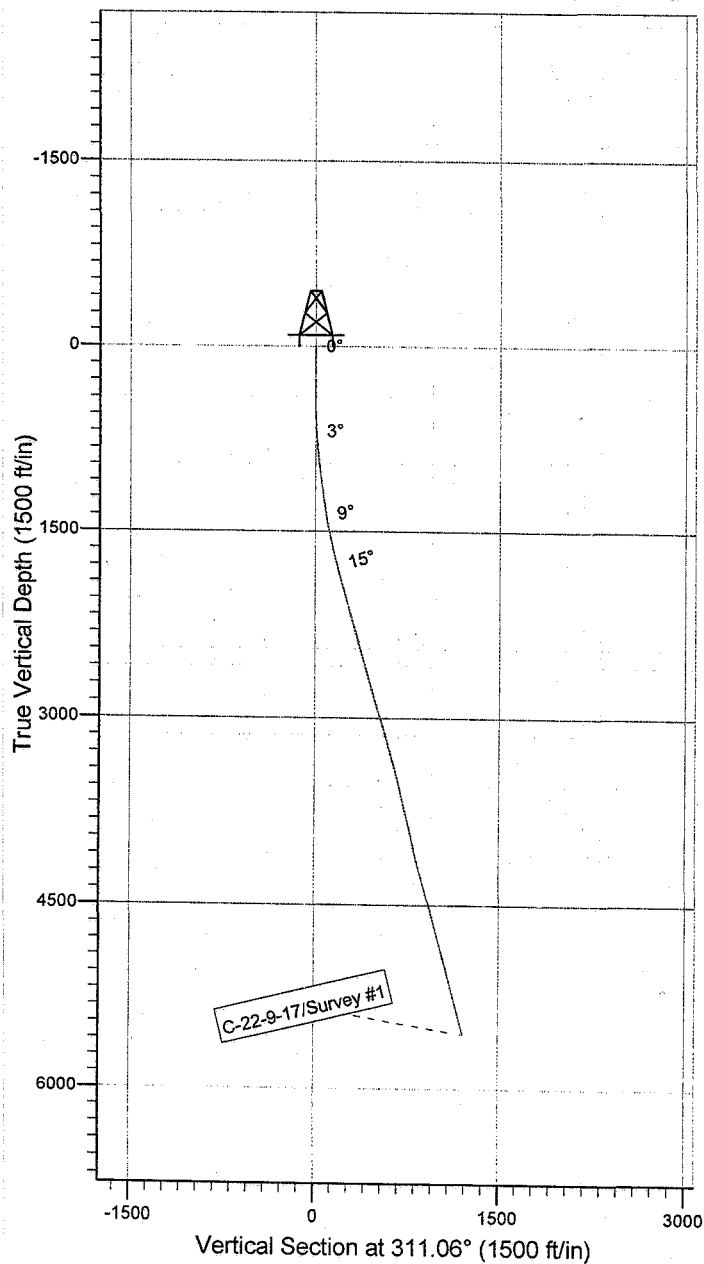
Project: USGS Myton SW (UT)  
 Site: SECTION 22 T9S R17E  
 Well: C-22-9-17  
 Wellbore: Wellbore #1  
 SURVEY: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North  
 Magnetic North: 11.61°

Magnetic Field  
 Strength: 52561.8snT  
 Dip Angle: 65.87°  
 Date: 2008/10/09  
 Model: IGRF200510



**HATHAWAY HBBURNHAM**  
 DIRECTIONAL & MWD SERVICES

Survey: Survey #1 (C-22-9-17/Wellbore #1)

Created By: *Tom Hudson* Date: 9:14, November 05 2008

THIS SURVEY IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD  
 DATA.



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-13905

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER:  
LONE TREE FEDERAL C-22-9-17

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301333934

3. ADDRESS OF OPERATOR:  
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
GREATER MB UNIT

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 718 FNL 1795 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNE, 22, T9S, R17E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 10/22/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -	
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was recompleted on 10/22/2010 and then placed back on production. The following perforation was added in the Green River Formation:

GB6 3950-3960' 3 JSPF 30 holes

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE

DATE 11/03/2010

(This space for State use only)

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DIV. OF OIL, GAS & MINING

**Daily Activity Report****Format For Sundry****LONETREE C-22-9-17****8/1/2010 To 12/30/2010****10/20/2010 Day: 1****Recompletion**

NC #1 on 10/20/2010 - MIRUSU, POOH W/ Rods - 5:30AM-6:00AM C/TRVL, 6:00AM OUW, POOH W/ 175 Jts Tbg, T/A, 2 Jts Tbg SN, 2 Jts Tbg N/C. Heat Wave H/Oiler Flush W/ 20 BW, On TOOH, Due To Oil. RIH W/ Tbg, TS Plug Set @ 4090. R/U, H/Oiler, To Tbg Psi Test Plug To Csg To 2000, Psi Good Test. POOH W/ Tbg, R/U Wireline To Perforat, R/D Wireline, R/U, BJ To W/Head, Frack Well, Open Well @ 4:50 To Flow Back To Rig Tank. Well Is Dead, R/D The Frack Head, & R/U Washington Head, SWI 7:00 PM C/SDFN 7:00 PM 7:30 PM C/TRVL. 95 BWTR - 11:30 AM MIRU NC#1, 4, Mile Rig Move. Heat Wave H/Oiler, Pmp 60 Bbls, Wtr.D/Csg, R/D Pmp Unit, Useat Pmp, R/U To Tbg Pmp 40 Bbls. Wtr. Reat Seat Pmp, Test Tbg To 3000 Psi, Good Test, Took 8 Bbls To Fill, POOH W/ 1 1/2"X26' Pilished Rod, 1-2', 1-8' 7/8 Pony Subs, 214 7/8 Scrapered 8 Per, 4-1 1/2" Wt Bars, CDI 2 1/2"X1 3/4"X24 RHAC Pmp. Flush Tbg W/- 20 TOOH Due To Oil. N/D W/HD N/U Bops, R/D FLR, T/A Was Not Set. RIH W/-5 Jts Tbg To Fill @ 5696.69. POOH & 5 Jts L/D Tbg. SWI 6:30 PM C/SDFN 6:30 PM-7:00 PM C/TRVL 128 BWTR - 11:30 AM MIRU NC#1, 4, Mile Rig Move. Heat Wave H/Oiler, Pmp 60 Bbls, Wtr.D/Csg, R/D Pmp Unit, Useat Pmp, R/U To Tbg Pmp 40 Bbls. Wtr. Reat Seat Pmp, Test Tbg To 3000 Psi, Good Test, Took 8 Bbls To Fill, POOH W/ 1 1/2"X26' Pilished Rod, 1-2', 1-8' 7/8 Pony Subs, 214 7/8 Scrapered 8 Per, 4-1 1/2" Wt Bars, CDI 2 1/2"X1 3/4"X24 RHAC Pmp. Flush Tbg W/- 20 TOOH Due To Oil. N/D W/HD N/U Bops, R/D FLR, T/A Was Not Set. RIH W/-5 Jts Tbg To Fill @ 5696.69. POOH & 5 Jts L/D Tbg. SWI 6:30 PM C/SDFN 6:30 PM-7:00 PM C/TRVL 128 BWTR - 5:30AM-6:00AM C/TRVL, 6:00AM OUW, POOH W/ 175 Jts Tbg, T/A, 2 Jts Tbg SN, 2 Jts Tbg N/C. Heat Wave H/Oiler Flush W/ 20 BW, On TOOH, Due To Oil. RIH W/ Tbg, TS Plug Set @ 4090. R/U, H/Oiler, To Tbg Psi Test Plug To Csg To 2000, Psi Good Test. POOH W/ Tbg, R/U Wireline To Perforat, R/D Wireline, R/U, BJ To W/Head, Frack Well, Open Well @ 4:50 To Flow Back To Rig Tank. Well Is Dead, R/D The Frack Head, & R/U Washington Head, SWI 7:00 PM C/SDFN 7:00 PM 7:30 PM C/TRVL. 95 BWTR

**Daily Cost: \$0****Cumulative Cost: \$6,188****10/21/2010 Day: 3****Recompletion**

NC #1 on 10/21/2010 - TIH To Swob & POOH W/ Plug - 5:30AM-6:00AM C/TRVL, 6:00AM OUW, TIH W/ 126 Jts, Tag Fill @ 3892, Clean Out To 4030. POOH To 3785. Start Swob Mack 8 Swob Rans Back 100 Bbls, Clear Out To Plug, Rest Plug POOH W/ Tbg. TIH W/ 20 Tbg. 5:00 PM 5:30 C/TRVL

**Daily Cost: \$0****Cumulative Cost: \$47,489****10/27/2010 Day: 4****Recompletion**

NC #1 on 10/27/2010 - RIH W/Remainder Of Tbg Prod, Land Tbg, Rin pmp & Rod Prod, POP ( Final Report ). - 5:30AM-6:00AM C/TRVL, 6:00AM OUW, TIH W/- 159 Jts Tbg, R/D R/Flr, N/D BOP, Set T/A In 18,000 Tension N/U W/HD R/U Rod Eq, P/U & Stroke Test W/- CDI 2 1/2"X1 3/4"X24' RHAC Rod Pmp, ( Max STL 228"), RIH W/- Rod Pmp, 4-1 1/2"X25' Wt Bars. 214 - 7/8"X 25' 8 Per Scrapered Rods, 1- 7/8"X 2', 1- 7/8"X 6' Subs, 1-1 1/2"X26' Polished Rod. Fill Tbg W/- Rig Pmp, R/U Pmp Unit, Stroke Test Pmp To 800 Psi W/- Unit. POWP @ 1:30 PM W/- 125" SL @ 4 1/2 SPM FINAL REPORT **Finalized**

**Daily Cost: \$0****RECEIVED****NOV 08 2010**

DIV. OF OIL, GAS &amp; MINING

**Cumulative Cost:** \$54,391

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**Pertinent Files: Go to File List**

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**NOV 08 2010**

**DIV. OF OIL, GAS & MINING**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-13905
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> LONE TREE FED C-22-9-17
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013339340000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0718 FNL 1795 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 22 Township: 09.0S Range: 17.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>7/27/2016</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Well Clean Out"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above mentioned well has had a history of scale. Newfield will be doing a well clean out of the wellbore with the intention to increase hydrocarbon production and bring the well back up to economic production volumes.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining**

**Date:** July 28, 2016  
**By:** *Dark Oust*

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/27/2016	